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210

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213

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gggtacggct	gcgagaagac	gacagaaggg	tacggctgcg	agaagacgac	agaagggtac	300
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cagaagggta	cggctgcgag	aagacgacag	aaggggtacgg	ctgcgagaag	acgacagaag	300
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<210> 1626	<211> 317	<212> DNA	<213> Homo sapien		
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aacaaacaga	aaaattctgc	cccaaaccac	gattactatt	aacacatgta	gtatcacacac	300
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<210> 1637	<211> 405	<212> DNA	<213> Homo sapien			
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gaaagccttg	ggaagatggt	ggaatcatcc	attcctgaaa	atgaaagtct	tctgtttatc	300
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gaagcccaga	gttgacagta	acaattttgg	agtgaagcac	tatgctggag	aggtgcaata	300
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395

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120atgtttaaaaa tcgaaaaatg ggccaggcgc agtgggtcat gcctgtaatc gtagcacttt
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240ggtgaaacct cgtctctact acaatacaa aaattagctg ggtgtggtgc cacatgcctg
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405

<210> 1853<211> 406<212> DNA<213> Homo sapien

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406

<210> 1854<211> 408<212> DNA<213> Homo sapien

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408

<210> 1855<211> 396<212> DNA<213> Homo sapien

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396

<210> 1856<211> 402<212> DNA<213> Homo sapien

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402

<210> 1857<211> 394<212> DNA<213> Homo sapien

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394

<210> 1858<211> 402<212> DNA<213> Homo sapien

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402

<210> 1859<211> 159<212> DNA<213> Homo sapien

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159

<210> 1860<211> 403<212> DNA<213> Homo sapien

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403

<210> 1861<211> 402<212> DNA<213> Homo sapien

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402

<210> 1862<211> 440<212> DNA<213> Homo sapien

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440

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413

<210> 1864<211> 408<212> DNA<213> Homo sapien

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300attttccgta agtccctttta gaagagtgtc ttctatttca gacattgttg acctgaaaa
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408

<210> 1865<211> 389<212> DNA<213> Homo sapien

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389

<210> 1866<211> 398<212> DNA<213> Homo sapien

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398

<210> 1867<211> 410<212> DNA<213> Homo sapien

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410

<210> 1868<211> 387<212> DNA<213> Homo sapien

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387

<210> 1869<211> 405<212> DNA<213> Homo sapien

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405

<210> 1870<211> 403<212> DNA<213> Homo sapien

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403

<210> 1871<211> 401<212> DNA<213> Homo sapien
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401

<210> 1872<211> 385<212> DNA<213> Homo sapien
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385

<210> 1873<211> 404<212> DNA<213> Homo sapien
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404

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300gagggcttta aggcaatgta gcatcatata tagaggcatc aacctgttca tatctttcta
360tttaacagaa ctgtgctcct gggcacaagg gtgtgcacaa a
401

<210> 1875<211> 397<212> DNA<213> Homo sapien
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120aagaagggaa gctagtaagc aacttatagg gggcagtgtg agaaatgtca catgttacat
180cgctcacaca gagaagcaga atttatcaat tttcaaaggg aaatgtctc tgtctactga
240caaggattta atttttgctt tttttttttt tgaaaagggg gcataatttg tttccaggg
300cgggagtaat gggataaaat ttggtttatt tgaagctccc cctcccggtt taaaaccatt
360ttttgggttt aaacctccaa gtactggga ataacgg
397

<210> 1876<211> 465<212> DNA<213> Homo sapien
gggaccgaag aatcacgan nttnnnatag gatcccagtc cgttgtgtgc gctggagtgc
60agcggcacta tctcagttta ctgcaacctc cgccttctgg gtgcacgtga ggctcttgcc
120tttagcctct tgtagctggg actacaggca cgtgccacca tgcctggcta atttttgtat

180ttttttaata gagacggggt ttcactgtgt tggccaggct ggtctcgaa acctgacctc
240agggtgatcca ttcgtcttgg cctctcgaag tgctgggatt ccaggcgtga gccactgagg
300ccagcacatt tccactttta gatcctactc cataccacag gtttcattta agaagaaaga
360gctagataaa tgtgctcttc tggttacccc accctgacag agtgcatttt tacacggcta
420gcaggggttg agactgcagc ctggcctgcc agccattgga ggtgg

465

<210> 1877<211> 388<212> DNA<213> Homo sapien

cgttgctgtc ggtgtaagac aatcagatat ggtgaggcct gtgttaaact gggcatcttg
60ttgccatata gaagagatct tctcttctta cggatttatt tctctttttt cgtgctttgt
120agcaaacata agacattttt agcacacctc tcttttaata gtactattct tgtgtggcaa
180gtactattct tgtgtgacaa gagaactact gagccacaga gtgacgatca aaagctaggc
240gtggaataaa ggtgtacaaa ccagctttgt gaccttgtgc aatcactgca cctgctggc
300ctcaactttc tcattgataa cataagaata gcaatgatgc tttctttata gggctgagg
360gacgattaag agttaatata gaacttag

388

<210> 1878<211> 429<212> DNA<213> Homo sapien

ggcagagcg ccggccccag tccccatggg ctgaaggcag gttgagttct tccccaggtc
60tgcgagcctc gaaggcttct ttcagacagc agaccctta caagcgcaag gctgctttct
120gacaaagaat caagtgttcc tttcaaccag ccaagggact ggtgttctcg ctgacctttt
180gacagctcca gccggtccct ccgttcgagg tccctgactt cctgcaacag actgagatgg
240ccttctgagc ttttccaggg ctgacgacca ccttcttgat accctccctc ctctcgatct
300gaatccgtgc ccaccagatg gggccgtcta gttgcaggaa aacaagctca gggctccac
360tgattctaca tgatgggaat ccaggcttcc ggagatgagg actgggaggt cccccacca
420cacaagcct

429

<210> 1879<211> 433<212> DNA<213> Homo sapien

cgttgctgtc gggagctgct cccaccttcc tgacctacc ctgctgcacc attccccag
60ctgggctgga aggttccata actggccagc tgccccata actggcagca tccccagacc
120cagggtactc taataggggc ggctcaggca ctgagactac cgctcaacc cagggtggtt
180ttcaggagtc cgaggtagcc ttcaatcact ggactccatg gccttccctt cgtgttgacc
240ggaccttctc tccagggctt ttcctttggg ggaggcggag aggggagaag aaggaagga
300agggcagaag gaaggaggga agaaaagaaa gcaaaagaa agaaggaaag aaagaaagat
360gggagggaag gcagcaggaa tagcaccctc tccccgggag gccctagctt ccgtgagggg
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433

<210> 1880<211> 422<212> DNA<213> Homo sapien

cctagcggcg ccgggtggc tgcagccgct ggcccgaata tgctgctcgg gcgagcaggg
60gtcaggcggg aaaagaggac tccaaatcca ttctctgtc gcccccagg caatgctgcc
120aggagaggga gtgggttccc ccgaggcta tcccaccgat ggggctgaga gcttaactcg
180gggttttatt tgaattggag acattgttcc ctcttcgctc ctctacccca taaaattccc
240tacaatatgca aaaattccag atagaagaag ccgtccctga aagtaagttc tgaaggattc
300ctttcatgcy gtgaaggaa aacaacaata ttcaacttca ccttggtgtg tgagggtcga
360cgtgctttac aacactatcc ctgtagaaag attactgaaa tgtattggaa gaagtagtgg
420ag

422

<210> 1881<211> 418<212> DNA<213> Homo sapien

gtgagccgag attgcgccac tgcagtccgc agtccggcct gggcgacaga gcgagactcc
60gtctcaaaaa aaaaaaaaaac ctgcccgggg ggataaaaaa cccggggcct ttggcccagt
120ttgggaagtt ttatggggga agaattgtta aactaaagcc ctttaggggtg gcggggcttt
180ttaataatcc cgttttttac aacctgggca aaaaaataaa accccctttt ttaaaaaag
240aatattggcca aaacaagggg ccttaaccct tgaatcccaa ctttttgggg ggggtggaccg
300gaaccattgg agtaaagaat ggggaaacag gccttgacaa aaaagcgaag acccattttt
360tcaaaaacca aaaaggtaaa aaaaaattgg gtacgggggc ccagccctgg aaacccaa

418

<210> 1882<211> 417<212> DNA<213> Homo sapien

cgttgctgtc ggaacatggg tttggctatg gcttgactca tgggctttca gtgctttttt

60ccatttgttg aaagtaacat ttctctctct ctctctttct attttttctt tttcaaaagc
120aaacattggg tggggaagg gtcaaagcta ctttttgccg tattgggttt tttggccacc
180cttccctttt ccaatggaag gccaggtaaa aaaaaccgcg ggaggggCGG ctcatTTTTT
240taatttttaa aaaagggggc cccagggtgg caaggcaata aaattggaaa tgacctttt
300gagaactttc gtttttgctt aaaaaacagc gggttgatga gaactcaaaa acctaaaaaa
360gatttttagtc aaaggagggg ctctttttct caccggacct ttaaaaaaaa aatggcg

417

<210> 1883<211> 393<212> DNA<213> Homo sapien

ggcacgaggt gagctcttgg caggacctaa acctccttgg aagataggca gaaagctctc
60gacaccattc catggccac gaaccaatgt aagatgagca aatggcttga aggaattgct
120acctccaggt caagccagggt atgcagcact gccgagacca cgtttgtgcc aagcactggg
180ctggaccctg tgcagaacca aatgaacaag gcacgttccc ctttcagcac taacggcact
240gtaagaacag ggagaagtgg aatctaactt ggctgaggg tagaggggtga tcagctaagt
300ctgaaacacc atgtaaaac ttgccatgta tggccgggCG cgttggtca cgctgtaat
360cccagcgctt tgggaggcca aggtgggCG atc

393

<210> 1884<211> 185<212> DNA<213> Homo sapien

cgctctcatt gattagtga acggaccttc caacctggc ttataagaag ctaaaaggca
60aaagtccagg aattatcttc atccctggct atctttctta tatgaatggt acaaaagcgt
120tggcgattga ggagtttgc aaatctctag gtcacgcctg cataagggtt gattactcan
180gagtt

185

<210> 1885<211> 392<212> DNA<213> Homo sapien

cgttgctgtc ggctgaaggc tcatgaagct gaaatgtggg aagttcactt tcgcgccatc
60cagcccagaa catcttttta cctgctctga agatggatcc ctctggcact gggatgcttc
120cacagatgta cctgaaaagt cgtcactctt tcaccaagggt aaaacttttt aatgaatact
180gttatgtgta cttttttttt ttttttttaa aacaaagtct ctttttatcc cccaggtga
240aaggcagggg cccaatttcg gttaattgaa acctccgcct ccgggggttaa agcaattttg
300gggcctcacc ctcccaagaa gccgggacta ttatttttgc cccccggcc cgggctaatt
360tttttgtttt ttaaggggaa aggggggtccc ct

392

<210> 1886<211> 413<212> DNA<213> Homo sapien

taaggcccac agcacatata gagtgaactgc gatattctat tttcatggca gggagtgate
60aggaagaagg cttcctaggg gactggcgat ttaaaccagt tgagaaacac tgccatcagc
120agcgagtttc agactcactc aagttgtctc ttgacagtca cttctaaatg ggttctaagt
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240gaaggacagt ggggctgtac ctagaatagt ggttctcgaa gaatgcggcc tgcagatcct
300gggagtcacca agacccttcc agggaggatc tgtgaggtca actgttggca ctgtggcatg
360aatcaagggtg gtggcagcaa acttctagta gttttgatat gtccttgata gan

413

<210> 1887<211> 387<212> DNA<213> Homo sapien

ggcacgagcc agccttgaac ttctgggac aagtgatctt cctgccttag ccttctgagt
60agctgggacc acaggctcat gccaccacac ctggctctaa cctgaaattt tcaatatgat
120cataataacc ccagcgtgtg ttaacctaca gattgtcct taaaactcaa ttgcttttagc
180agcttttaag atcctcccca tcccttacta ctcacctttt aggtgtgata tcattccagc
240ccctaagctcc agagagcctg gttcaaatgg aactacagt tttttccatg cgtatttaat
300gtcacagaa caaaccccaa tagaccacaa ccttctacta gactaacaca gcattctact
360tgcctggcag gttcacagat cataaat

387

<210> 1888<211> 422<212> DNA<213> Homo sapien

tgcacgagga gagagagaga gagagagaga gagatagaga gagagagaga gagagagaga
60gagagagaga gagagagaga gagacagaga gagagagaga gagagagaga gagagagaga
120gagagagaga gcgagcgaga gagagagaga gagagagaga gagagagtga gcccccccc
180ccccccgcac ccattgtcgc ctgtgtgttt ttttgtgtc gggccctgt ccccccccg
240atctgttctt ttctatccat ccacatgctt gtgtgtgtat cctaaccctc agagtcttga
300cttccagagc tcaactttcc ttattgcttg tgtgggcgca cgcctttttt ttttcttct

360gtctagaccc acgctctctc tccttgtatt ccctgcgttg ggctgaggac accccgcacc
420ct

422

<210> 1889<211> 410<212> DNA<213> Homo sapien

ggcacgaggt gaccttgcca tgcacatcat ctcgaggcac gagatatcac agtgcctgc
60tgaggatagt catttgata tcttatttaa agtgggtgtc gtcaagcttt cccaccgtag
120gttgccttat ttcctttgaa atgaacaagt aattgtgggg cgattttttc ggactatatt
180catatgtttt gactcatcaa attgtcacct cctagattgg gcatgcattg atgattctta
240cccaagtcaa gtattattac aatgggtgtc agatggcaat cttctaattt catttgtgca
300tctgcgcccc tcaattggca ttctacgaaa atatggagcc gtcgtgagct tgcacacct
360tgtgcaagag ctatggctat gctgagcttc tccacatatt tacaactatg

410

<210> 1890<211> 402<212> DNA<213> Homo sapien

ggcacgagat atctctacaa ccttgtctcc acaagtattt aatgaagtgt ggcaagaaga
60aacaattggg cgtctactac aacttgtaga ccttccactt cttgactcct tactgaaaca
120gcaagaggct gtacctaataa ttctcaacc taagaggcag tccaccatgg tcaacagcag
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240ctcggcagca attgactgtt tagaatacct tccagaccaa atgggtgggtg aaataagcag
300aagcttttct gagcaaccag accgaacaga cttagtgaag gaacttctgt ttgatgccat
360tggcagatat tacagtagta gggaacctct gttaaatac tt

402

<210> 1891<211> 412<212> DNA<213> Homo sapien

ggcacgagcc gtgttaggct tcgctggcgt aaagtccccg ggagctttgc ccctcacgga
60gaacgttagt tgacctgat ggggacccgt agggtaaagg ttttgttttt gttttttttt
120acggaaaaagg ttgtggttag gcccttgga aagttagcag aaaactcag ttagacaagg
180aaggtcggaa ctaagtggcc acagcaacaa tgcaccagca agcagggagc gtgataggaa
240gagctaaaaga ggaatcggga aacctggag atgggtttca ccatgtttcc cagccttgct
300tcaaactcct gacctcaagt gatccgcgt cttgggtctt cgaagtgtc gggacagcag
360gagttagcca ccgcatctgg ccggaaagt gttttggagc gtagaaaaat gg

412

<210> 1892<211> 399<212> DNA<213> Homo sapien

cgttgctgtc ggatccatgt ggaacagagc cagctggggg gttgggcagc tctctccaag
60gcagtaccta gagcccagct gaacaacaag gctttgggtg tgaaggagct cccagcctg
120gagaccctat ttggctgaaa cagttacaaa atatcaaatg tgtgtcaga tttcctcca
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240agtgcacaca gcctgtttgt tttagtatcc aagggaagaga ccaaggagcc agctggcggg
300aaggggtggg gtgtgcaanc tgccctgtcc ttctgctcat aacctgacaa aatgccaaac
360tagcaagcag gatagctgat accacggcta tgaggagat

399

<210> 1893<211> 394<212> DNA<213> Homo sapien

ggcacgagag agagcttacg aggtttgatg tactttgact acttgactca ttctttaata
60atcttccact tgccctgcgc caaaactgat taaagggaaa agacttatac acatagaagc
120acataaaata aatgtacgca ttaaggagcc gcacgatgat aagggaagga aaatattaat
180attatgaagc cgggttccag tcgcattgct tgatgtgagc catatattta gctctcagcc
240tctctggttg cacagcaaaa aggcaaacgt gaatcacata gtgtagacga agaataaaac
300acttcttgct catggggctc atccagaggc tcacaatgtt tacagatgtg tctgactcat
360aatgtgagtg ctggctccta agatccacaa aggn

394

<210> 1894<211> 162<212> DNA<213> Homo sapien

atgttaaatg gccagttaac cactgggaga gcatccggac agacgtttcg ccaagatggg
60tggaatggcc agttaaccac tgggagagca tccggacaga cgtttcgcca agatgggttg
120gatggccagt taaccactgg gagagcatcc ggacagacgt tt

162

<210> 1895<211> 396<212> DNA<213> Homo sapien

ggcacgagcc aatgagctac tctgacact aatggagaag tgtgccctca tggaagccct
60ggttctcatt agcaaccaat ttaagaacta cgagcgtcag aaggtgttcc tagaggagct

120gatggcacca gtggccagca tctggctttc tcaagacatg cacagagtgc tgtcagatgt
180tgatgctttc attgcgtatg tgggtacaga tcagaagagc tgtgacccag gcctggagga
240tccgtgtggc ttaaacctgt cacgaatgag cttttgtgta tacagcattc tgggtgtggg
300gaaacgaact tgctggccca ctgacctaga agaggccaaa gctgggggat ttgtgtggg
360ttatacatcc agtggaaatc caatcttccg taacct
396

<210> 1896<211> 409<212> DNA<213> Homo sapien

ggcacgagaa tgactctgtt attaaagggt gcattggagac tgtggaggga atatttttta
60aagcactact catatccttt aaactaaatt ttgccaaagc ccgagacaac attaaggaga
120aattgtacct taagttagta attccaaatc tatctgagtt gtatacccat caaagacaat
180acagctatta tcatagatga aggtatgcta taggcattgat tcattatctc tatattgaat
240aggtgaaaga taactgtagt caggtgaaag gcattcatta tttttaagct gaaaagggga
300tccttgaaaa cactgaaaac ctctacaaca atcttcagga agcctgctat cttgggattc
360actaataata ggccaagaac aaaggcgagc atccattcct cactccacg
409

<210> 1897<211> 433<212> DNA<213> Homo sapien

ggcacgaggg gcaaacctgg agaaccctcc taaatccata gagttttcaa aatgtgaatc
60tttggaagcc ttgagttcag aatctgctgc tctggaatat ttcccttcga tcttatctca
120gtcacttcgt ttttgagaag agtgcgtcct tgggcattgct tttttttttt tcttttttaa
180aaaacagggg gttgaagccc accctattta aaaaccccc cttttggaga attacaaggg
240ttttgtcctg aattggaggg tgggcaagcc caagccactc gggctaactg gttttgtct
300cggnggctat tccaagaaca aaaggaggaa gttggcccat taccgggggt gtcctggat
360gttgtttggg ggcgcgtgcc tttcaaaaac cccgcccaa aacaaccgg gaagggggag
420ggccccgctt ccn
433

<210> 1898<211> 399<212> DNA<213> Homo sapien

ggcacgagga aggcctaccg acttacttta tcattgaggg cttactgata caatgaaatg
60agtttcatga cttttttttt ttttaacccc ttttgaaaa aaagggggct ggggttaaac
120ccaaaaatat ccttgttgct tttgaaaaga aggcattgaa acaactttt ttgtagccag
180gggttaaaaaa acggaccggg ttgggccctt cttggttaagg ggggacttca gggccccgg
240aaggccggtt tgggggtaac ctgaggggga cacaggccct ggggggggag ggtttttta
300actggttacc cgggcccata ggcagacttt ttaaaaaaag gtccttgaag ggggatgtgc
360aaagacatgc gggcccgcct aaaagcgagg attaaaaan
399

<210> 1899<211> 417<212> DNA<213> Homo sapien

ctgctccac tgtctttttt tgtttttttg ttacaaccct taaaaaacgg gcttgccatt
60ctcaccccaa gcttcatggt acacaagccg cagcagccag actgtagctt gccaacactt
120gctagaccat tgctcttcat gttcaaactg ccagtcagga gcacaaggac caggaagtgg
180cctgacttgg ccaggaccac tcagccatt acagttagga ggagcggcca gatctcagcc
240ccatccactt gggaagtacg gagaggcagt gaacacatca cctgaaagtc agaggtcttg
300cgaaatcacc accaaagcat gtatttgtac aggtaatagt gctgagagtt caacagagga
360cagggagaag gtgactgtg aagactgtgc agggaggag gacagccact cagggag
417

<210> 1900<211> 401<212> DNA<213> Homo sapien

ggcctcagaa gctctgggtg tgccagagga cccccagaac taacaaggga gggcgagtgg
60gtctccattc cccgagaagc caggggcagg gtgggatggg gaagaccagg agcagagtcg
120agcctcacag aagccagcgc ggtctctgc tcagcaccac agccggggct ctggaccag
180ggtaacagcc ccagttcatc ccaacccctc tcagagcctc aagaggggta gctcggtgc
240cggaagagag gggagcccta tccctggcaa cccctccacg tagcgtacc cagcactgc
300caccggcttt gccatttctt tgagcttgaa gtttaactctc ttagagtcta actgtggttc
360atttctgcac aggtacaata gatgacttta tttgtttaga a
401

<210> 1901<211> 407<212> DNA<213> Homo sapien

tttcagttca ctttatttac tatgacacat actttcagag tcctagatgt gctgtcatcg
60agtcccagg cactcgtca cactcatcag cctctgcgg ccagtgtccc cactcctgc
120catgtttccc tagtagcttg gtctttatcc agaactgtga ggctgctgtg ggggtgcagcg

180tccttaggag ggtcctgctg gagcagtggc cctaagtgag tctggactgt gtgaggcacc
240ccagccctcc acggcaaggc cggggcctgg ggggtgctggt gcctgtgtgc agcctgaagg
300ctgccctctt gctgccttca gcgagtggga agctggtcag aggggtgggc actcctctgg
360gtccgccac ctccctggcac acccatttg gtctctgtcc actcctg

407

<210> 1902<211> 407<212> DNA<213> Homo sapien

ggcacgagca tttatatata tactatatat ttcatatatg tatttcagga atttatagac
60cagacattca tatatagatg cggagggtata tatgagcgcg tgtgtatata cacatatata
120tttatacgta tatacgtata tacatatata cacatatata cgtatatatg taaacgtata
180tatacacgta aataaatata tttatatata cgtatatacg tatacacata tacacatata
240tacgtatata tgtatatata cgtgtatatg tatgtatata tgtatgtata tatacgtaca
300cacacacaca cacacacaca cacacacaca cacacacaca cacacacaca
360cacacacaca gagagagata cagagagata tacagagagt ttagaaa

407

<210> 1903<211> 389<212> DNA<213> Homo sapien

cggtgtgtgc gggttttgcc aatcactaaa gatgcttgtt ttgcctcagc agtagaatgt
60ctgcagcaga tcagcacaaac atttacccca tcagacaaac ttaaggatcat ccagcagact
120tttgaggaga tctctcagag tgtcctggcg tcaactccacg aagacttctt gtgggtccatg
180gatgacttga ttcctgtttt cttatatgtg gtgctacggg ccaggattag gaatttaggc
240tctgaggtag acctcattga ggatctaag gaccctatc ttcagcatgg ggaacagggt
300ataatgttca ccaccttgaa ggcattgtac taccagattc agcgtgagaa gcttaactag
360gtgcataac agcttgaaaa ctggattat

389

<210> 1904<211> 390<212> DNA<213> Homo sapien

ggcacgagcc catctctact aaaaatttat ttttagccgg gcatggcggg gcatgactgc
60aagcccagtt acacgggagg ctgatcgagg agaattgtc gaaccacga tgcggagctt
120gcagagagtc tagatcgcca tatatatata ttcgtatata tgtatatata cacacatata
180tattcgtata tgcatatata cacacatata ttcatatata ggcatatata catatatcca
240tatgttctca taatatagca atacacctat atgtcctat atgtatatat aacatacata
300tattgatata tgtataaata atattcataa atgtatatat gcatatatac tcatatatgc
360acacatacat attcgtatat gcgtatgcac

390

<210> 1905<211> 390<212> DNA<213> Homo sapien

ggcacgagag aatgccgact acttctccaa ctatgtcaca gaggacttta ccacctacat
60taacaggaag cggaaaaaca attgccatgg caaccacatt gagatgcagg ccattggcaga
120gatgtacaac cgtcctgtgg aggtgtacca gtacagcaca gaaccatca acacattcca
180tgggatacat caaaacgagg acgaacctat tctgtttagc taccatcgga atatccacta
240taattcagtg gtgaatccta actagccac cctgtcactc tctctcattg ccgctgccac
300tatcacctgt ctctctgcca gctgatgtgc cctgttgccc cccaccccat cccgcacaga
360accatccctg cattccacag gggactcggg

390

<210> 1906<211> 396<212> DNA<213> Homo sapien

tgcacgagcg gcgactcacc cggattgata tgccgtgatc tggctatatg gtggggcgcg
60ggcgggtgccg ctgcgacgag ctggtgctgt tctcatatgt ttcctttcaa tgggcttttg
120gtgtatgatg taggcgaacc aagaacagga ggaggtgatt acagtgcgtg ttcactaccc
180ccgagtgcac aatgagggtc cctggaactc ttatgtggat tataagatat tctccatac
240caacagcaaa gcctttactg ccaagacttc ctgtgtgcgg cgcgctacc gttagttcgt
300gcggctgata aagcaactac agagaaatgc tggattggtg cctgttcctg aactgtgtgc
360gaagacaatc ttcttcggca cctcagatga tgtcat

396

<210> 1907<211> 407<212> DNA<213> Homo sapien

cttccatagc ttggccacct attgtctca gaatacctca tctgtgttct tggataccat
60ctcacatgtc cacctcttgc tgttctggt caccaatgaa gttatgcctc tgcaggacag
120catcagcttg ctgctggagg ccgtcggac canaaatgag gagctcgccc agacatggaa
180gaggtctgag cagtgggcca ccacgagca gctgtgcagc acagtggcg ggcagctccc
240aggtctccat gagtacgggg ccgtcggggg ctccacacac acggccactg cagccatgtg

300ggcctgtcag cactgcacgt tcatgaacca gccaggcaca ggccactgcg agatgtgcag
360cctccccagg acctagggcg cctgccctct gctggctagg accgggc

407

<210> 1908<211> 399<212> DNA<213> Homo sapien

caagccagtc aacccgcaga agtgaatatg tactaccaga acacttacca gacaatgcct
60tacgggtcat cctatggcat tccttatagt tatacggcct atggatcatc agatgccaaa
120tctcaaaaaa cagataatac agtccccttc aaaactccca gtaatgagat gactcccgtt
180actattgatt tggtaaagaa acagcttaaa gacagggttg actccatgaa agaattgcac
240aaaacaaatc gacagcagca tgagaaacat ctgcaaagcc gagtggactc taccagggtc
300attgaaagat tagaagggtc ttctgggggt attggtgaac ggtataaatt ttgcaagaa
360atgcgagggt atgtccaaga cttgcttgag tgtttcagn

399

<210> 1909<211> 407<212> DNA<213> Homo sapien

gaagattcac agtggacaat gttaaggag attttagagg gcattcagta aggggtgtcac
60ctgtctaagc ttttctaagg atagcagtca aatccttaat gcttcttttg accagacaat
120tagaattcat ggtttaaaat ctggtaaaac cctgaaggaa tttcgtggcc attcctcctt
180tgataacgaa acaacattta cacaagatgg acattacatt attagtgcac cctctgatgg
240cactgtaaaag atctggaata tgaagaccac agaattgttca aatcctttga aatcctggg
300cagcaccgca gggacagata ttaccgtcaa cagagtgtat ctacttccta aaaacctga
360gcactttgtg gtgtgcaaca gatcaaacac ggtgggtcatc atgaaca

407

<210> 1910<211> 408<212> DNA<213> Homo sapien

ggcacgagac aggcaccaag atgtccaacc gagtggctctg ccgagaagcc agtcacgccg
60ggagctggta cacagcctca ggaccgcagc tgaatgcaca gctagaaggt tggctttcac
120aagtacagtc taaaaaaga cctgctagag ccattattgc ccccatgca ggtatatacgt
180actgtgggtc ttgtgtgccc catgcttata aacaagtggg tccgtctatt acccgagaa
240ttttcatcct tgggccttct catcatgtgc cctctctctg atgtgcactt tccagtgtgg
300atatatatag gacacctctg tatgaccttc gtattgacca aaagatttac ggagaactgt
360ggaagacagg aatgtttgaa cgcattgtctc tgcagacaga tgaagatg

408

<210> 1911<211> 392<212> DNA<213> Homo sapien

cggccgcgaa taaggattac aaggcacgct tgacctgtcc gtgctgtaac atgcgtaaaa
60aggatgctgt tcttactaag tgttttcatg tcttctgctt tgagtgtgtg aagacacgct
120atgacacccg ccagcgcaaa tgtcccaagt gtaatgctgc ttttgggtgcc aatgattttc
180atcgcatcta cattgggtga tctaagtcaa gagaagaaga ggagctggct agtcaggaac
240ttattcatta accaccaaac ctctacctct tctctccttg actgtcacct gtaggacagt
300ttatcagtca actacctttc ctccagactt tacttccagg ctctcctctt cagtagctgg
360atgacttttag cagaaaggac tggtaaatat aa

392

<210> 1912<211> 401<212> DNA<213> Homo sapien

ggcacgaggt ctacagcctg acccagctgc ccgctatcgc aatgtgttgg aggcctctctg
60gaggattata agaacggagg gcctatggag gcccatgagg gggctgaacg tcacagcaac
120aggcgaggg cctgcccacg ccctttattt tgcctgctac gaaaagttaa aaaagacatt
180gagtgatgta atccacctg ggggcaatag ccatattgcc aatggtgcgg ccgggtgtgt
240ggcaacatta cttcatgatg cagccatgaa ccctgcggaa gtgggtcaagc agaggatgca
300gatgtacaac tcaccatacc accgggtgac agactgtgta cgggcagtgt ggcaaatga
360aggggcccgg gccttttacc gcagctacac caccagctg n

401

<210> 1913<211> 383<212> DNA<213> Homo sapien

cgttgtgtc gggccatttg ttttgttttg gtgtccctt tgaagccctg ccttctggcc
60ttactcctgt acagatat ttgacctata ggtgccttta tgagaattga ggtctgaca
120tcctgcccc aaggtagct aaagtaattg ctagtgtttt cagggatttt aacatcagac
180tgggaatgaat gaatgaaact ttttgcctt ttttttctg gtttttttt ctaatggagc
240aaggactaag gaaaacctt ggtgaagaca atcatttctc tctgtgatg gggatacttt
300tcacaccgtt tatttaaatg ctttctcaat aggtccagag ccagtgttct tgttcaacct
360gaaagtaatg gctctgggtt ggg

383

<210> 1914<211> 384<212> DNA<213> Homo sapien
cgttgctgtc gcctggnttt tttttgcctc ctccctttcc cagcaccatt tttttgggt
60tctgagaaac agcttcctcc cattacagc accaattcaa ttaggcagga gatagtgtg
120aagggtttttg tttccatcag cttctgctgt gtaaatagta gctctgtttg aaaaactttg
180agaagttgtt gtgatgtgcc tctttctggg ttccgatccc ttctcagcct ggtgatgcca
240tggcattcaa atcaatttgt ttctcttccc ctccctacc ctacatccat cataaaaaat
300gggggtggtt gcactaatca gagatctgct tttttcccc cacagatatt ggtaaattat
360taaaaaacca taaattttct tcta

384

<210> 1915<211> 385<212> DNA<213> Homo sapien
ggcacgaggg gaccctgtc gccagatgg ctctggaca ttgcccagc gtcctactga
60gcaggaactg agggcccgtg aagcagcac gccaggggga cgtgaacggg ctgcctggc
120aactgcccag gacaaggccc gctccaacaa agggctcctg gncagnattt ntntttttt
180ttntttttt ttttttttt ttttttttt tntttttatt aatattttt tttatcttct
240atatctacc ctattcccc ttttttttt gcaaaaaaag tgttaaacc cctcttttg
300gttctggata aaaaagaaaa atgcccgcac atagggttct cctccctaag agaaaaaaa
360gcccttttgg ggggcaaaaa aggtg

385

<210> 1916<211> 383<212> DNA<213> Homo sapien
ggcacgagga cctgcgctg tgccttttat aggttctgc ccggcatatg atgcacatct
60cgacaaacga gatgaagcac ggtgcgtgcc gataaaatgg aacagatgtg gactgataag
120cggctgatcc tgtatgtgtg gggctccaac gactttctga ggcgaggtcc tatggactag
180cgtcgcctt tgcactcttg atggctcaca acgggcttgc cttctcttac tactaacat
240tatatgctat ttgctgtccc tgcctagact ttgctccact gagtgttca tttgaggcca
300accctccctt gtgcgaggag ctcatggatg ccatggctc tcaatttgag agactgctg
360agagctcacc ggagccctg tct

383

<210> 1917<211> 384<212> DNA<213> Homo sapien
ggcacgagaa gagccagctg atatcctcg cgaacatgtc tctcctgagt ccagaggacc
60aacaccctca acctggttag ttctttctg cttgtcagag ctctcagaag gtacatatg
120gagcccaagc ccagctaca tctccactt attctgcctg attcccccaa agacaatggc
180tggaccctgc atgcagggtt ggggtggaa tggggctaac cagctcctga tggcctgagc
240caggcatctt gactggcacc tggagagccc ttaagtctgt cctggctgtg gcccatgccg
300acagatatcg tggggctgac aggtccacgg caggcttgct ttcttttata aaatggaagc
360tctggtacct tcaatgtatg actt

384

<210> 1918<211> 385<212> DNA<213> Homo sapien
cgttgctgtc gagcttagca aatctgggtg ttggttttgc ctgtttttta accccctttg
60gagtctagta aggttaacca ctctggttag ttacagcttc taacaggtga ctttacattg
120gaggaagatg ttcagaaggc gtggaagaca catcttcgag cagccccagc ttctgatgat
180tttgttcac tgggttgtag acccaatctg tgtcccaggg actgggactg gccttcatta
240ccttattgac atgcttctcc cggacacaca cacacacatc acatttgag ccatctcaat
300ttagtagagg aattacacat aacaaaaaca ctcccaaat gtgtgctgga gaacagctcg
360gagggatggg acggcctgtc gtttn

385

<210> 1919<211> 378<212> DNA<213> Homo sapien
ggcacgagca ggcggcagag gttgcagtga gccaggatcg cgccactgca ctccagcctc
60agcaatagag tgagactgtc tcaaaaaaaa aaaaaaaa accccgccaa tttttaaaaca
120accccgaaaa aattttttcg gggccctttt ttttaaaaa caagggggtt ttttctttg
180gtatcccaaa aaccactgg gggcaaggtt tggggggggg aatttttttag ggccatata
240aaattcctta gggttttggg aaagggaat cccggggcaa taaccctttt ttgtaaaggg
300ctaaaccctt tttttttta ggccttttt ttttgaaaa aggggttatt ctggccccc
360cggttaaaaa cctggga

378

<210> 1920<211> 379<212> DNA<213> Homo sapien

cgctgctgtc ggctcttaca ggaaagggca ccaggctgcg gggtcattga ggacaaagtt
60gacagtttag attagcaggc actcaccatg ggcctcccc ctccctcagc atgaaaccag
120caggagaaaa tcctcaactc ttggcttctc cttggggaga caaaagagtt ggaatgtgtg
180tcagtggtt cactttttca gtgggctgag ggactggctt ctgtcttgct tgtcttgga
240agctgacagg ggctgggtgca ttccagggtgc ccaggagcca ctgagaacag aagacttgtt
300gctgctctag aggacctatg gtagggcaga cagaggatga tacagctcag cagcttgctc
360ctacgtgtgg catgaaagg

379

<210> 1921<211> 381<212> DNA<213> Homo sapien
ggcacgaggg ggcaatgcta aatattgctg cagttttatg cattgctacc atttatgttc
60gttataagca agttcatgct ctgagtcctg aagagaacgt tatcatcaa ttaacaagg
120ctggccttgt acttgggaata ctgagttggt taggactttc tattgtggca aacttcaga
180aaacaacctt ttttctgca catgtaagt gagctgtgct tacctttggt atgggctcat
240tatatatgtt tgttcagacc atcctttctt accaaatgca gcccaaatc catggcaaac
300aagctcttctg gatcagactg ttgttggtta tctgggtgtg agtaagtga cttagcatgc
360tgacttgctc atcagttttg c

381

<210> 1922<211> 373<212> DNA<213> Homo sapien
cgctgctgtc gggtaaccc tttctttatg cgagccaaag gattcttggc tocaagcctg
60gtcctggctg ttagtttggga actcatgcac ccagatgcta actcgccctc agaatgcaga
120ggggatgaaa cactgaccgg acaattcaat ctgtatatgg agacggggtt tcaccgtatt
180agccaagatg gtctcgatct cctgacttgc tgatccgcc gccttggcct cccaaagtgc
240tgggattaca ggcgtgagcc acctcgccc gccatgttc tagattttt attctggtt
300agcaggatcc aaactgcctg tctgaagag actctcttct tctccatac aacggctggc
360ctctaccaag tta

373

<210> 1923<211> 370<212> DNA<213> Homo sapien
ggcacgagta cagaagaaca atgcgaggcg agctcaggcg cgctgatggg ggtttccgat
60acaactcccc actcaaagaa ccccgagag ctcttgatc catctctcag tagggctctg
120aagtccatgc tgtctgaaga cacaggggtc cccctgcgt ctgtgccagg acagagggac
180tgccaccagc caagctgcaa tccttttaaa cgtaaaaaac ggccgggctt ggtggctcat
240gcctgtagtc ccagcagttt ggggtgatga ggcgggtgga tccctgtgg tcgggagttc
300aagatcagcc tgaccaacac gaataaacc cttctctact aaaaatacaa aattaggccg
360ggcacagtgg

370

<210> 1924<211> 374<212> DNA<213> Homo sapien
ggcacgagga gagagagaac tagtctcgag agcagatctc tctctccggc acgaggagag
60agagagaact agtctcgaga gcagttttt tttttttt tttccagca ccgtgagggc
120ttactggagc acattttgcc ccacaaaaag gaaatagccc ttctaattcc cgctgcaaa
180acacaaaacg gcaaccctcc ccgggaaaac ttttgagaaa ccccgccggg gcaccaaaga
240cctaggggga agatctgggt caaaggtaa aaattccgta agaaagggcc tataggagct
300gtgagaactt tttttgccc cgaataacca ttttaacaa acagccctaa cccctagggg
360agagctggac gggg

374

<210> 1925<211> 370<212> DNA<213> Homo sapien
cgctgctgtc ggttcttga agaggtagag ggatagggtta gtaagatgta ttgttaaaca
60acaggtttta gtttttgctt tataattagc cacaggtttt caaatgatca catttcagaa
120taggttttta gcctgtaatt aggcctcatc cccttgacc taaatgtctn acatgntact
180tggtagcaca tccacctgta tcaactatcc ccatctggtt ttgggggatg cgctggcacc
240atttcccaa aatttacgtg taagtatcac aaagaggggtc tctacaatct ttagatttcc
300tttcgacaag attgcaggcg attcctctcg gagaccttcc ccccgccatt ttggacctta
360tgagaggggc

370

<210> 1926<211> 150<212> DNA<213> Homo sapien
atgtttaaan catgggtccg gagcctttta ctctcccgaa ctctggagg ccctaaccgt
60gcgcttttag gctcccgatt ctcggaatcg ctgggaccgg cctttattca ctttgggtgg

120cctataagag ccgttgcccc tggcgggtgat

150

<210> 1927<211> 354<212> DNA<213> Homo sapien
ttgcttatac tctcactgga accaatgcat ggaacagggtg gtgcagacct ccagctgata
60atgcattgaa gaacaggcat catatgctaa atgagtgaag cttagagatct attcgacacc
120ataaggacct gcatgaaaca aaatagcatc accacttgca tacgtaacat gatcaaccca
180caggcctata tgttggaagt gctgtccggg gctgttactg tctcttctgg ttataaagca
240gacatgtggc catcttttcc gcagggttag agtgggctcc tttctttttg gaatcctttt
300cttctccttt ggtagcagct cctgcctcc agggcttccg ccaccagcgt ctct

354

<210> 1928<211> 336<212> DNA<213> Homo sapien
tacgctgctt taagacgaca gaagggtga tctttcatct atttgagaaa acgcattcta
60gcagggtgta ggtaatctca ttgtggtttt aatttgcat tccctaattgg ctagtgtgc
120tgaacgttgt ttgcatgaac ctggtatgtc ttttttgag aagcattttc acaagccatt
180ggtgaagtat gtggatcacc accaccata ctccaaccct gttcccagtc actggtacct
240atagggtgag agtgaggttg ctcatcaacg agctctcaa gtcataagct gctgctctcc
300cactcacgat gcttggtgat tcagggacgt tttccc

336

<210> 1929<211> 448<212> DNA<213> Homo sapien
tttttgcagg atcccacaca tatggagtct taaattagtt ttgggtgtca ttttgatgcc
60tagagtcata gaagagtgt taggagcttg tgggtataaa aaataacttg agaattggct
120gaaagcaact aggaagatg ggggtagtag tatgtgtaaa catttgaggc agtagagatg
180tgggacccaa atactgttcc ccttttactc aaattctgag atgagttgac atgttctgtg
240tagggctaga gagttagaaa atggccagta ggtggtagcc acagagaagc agtgcgtaca
300aacaagtaag tatgcaaaat ttgtacatac ggtttcagga ataactagaa taccataaaa
360atatccacct gccttataaa ctagaacatc attgataact tggaagccct tgcatacctc
420ccatgatct catttgtctt cacagctt

448

<210> 1930<211> 463<212> DNA<213> Homo sapien
tgctcgatct gcacgatccc aacgatgcga aatcggcacg agcagaaacc cggttcccag
60cgtcggcggc cgggttccg ctgcccgtga gctaaggacg ggccgctccc tctagccagc
120tccgaatcct gatccacgag ggggccaggg gccctcgcc tcccctctga ggaccgaaga
180tgagcttctt cttcagcagc cgctcttcta aaacattcaa accaaagaag aatatccctg
240aaggatctca tcagtatgaa ctcttaaaac atgcagaagc aactctagga agtgggaatc
300tgagacaagc tgttatgttg cctgagggag aggatctcaa tgaatggatt gctgtgaaca
360ctgtggattt ctttaaccag atcaacatgt tatatggaac tattacagaa tctcgcactg
420aagcaagctg tccagtcag tctgcaggtc cgagatatga aac

463

<210> 1931<211> 460<212> DNA<213> Homo sapien
tacatttagc ccagcgactt gttgnaagc ccatccaatc gattcggcac gaggaaatca
60attggagaac ggtttttatt taatacagtt gcacaggtgt taaaaaaact tgctttattt
120gacgaatgga attccttggc tgtttatgtt tcaatggata acacagtgtt cattgaagat
180atcaaaaaaa tgtgccgtgt ccttcccttg agagctgaca catctggtga caggcctccc
240gattctttaa ctgctttcta ccacagtaaa ggcacctctg cctactgtc agcctggaaa
300ccccctgctgc tcattgtgcc ccttcgctg ggcataaacc aaatcaatcc tgtctatgtt
360gatgcattca aagagtgttt taagatgcc aagctcttag gggcattagg aggaaaacca
420aataacgctg attatttcat aggattctta ggtgacgagn

460

<210> 1932<211> 436<212> DNA<213> Homo sapien
cacacttgct tgctcgtttg gccgaatcgg cctaccggtc gtcagaatac gacagaaggg
60accacagtcc acctaaaggg tgcttacagc ccacttgagt ttttcaaact gagtaatcct
120aaactgttca tcccaccctg ctttgctttt tccatgaaaa tgacagtaag ggctgtggcc
180tggactttac cctcattact gcttctgctt cctgaccaa accctatgca tctcttaagt
240ctggcggtgt gtgtgtgtgg atgccgtctt ctccaggaa atgcaagtaa tacacatttt
300tcagtatat tggcctttct atgttgtcac ttactaataa ctccatanat taaatcttgg
360gtgcatttta gaacatgctg tacctttgat tggtttgctt taggctagt agttgagttc

420tggtgcttaca ctgaaa

436

<210> 1933<211> 440<212> DNA<213> Homo sapien

cggttgctgctc gggaatagag taattttttt tcccattcca cttggaagct gtgtacctca
60agtgtgtgca catttacaaa tgggtgaaac ataacttatg ttagtccaag cttgatttga
120cttcagttct gcttcaacgt tttagtagat agggcactga actggatgct gaaagcgtgg
180gatctctttc tgttgcttca cttccaacag tgtgggttca ggtaatacga catgtttgtt
240acttggtttg ctgatctatg tgttggaac aatgctcacc acaggaggat tgactacata
300gcctgctttc atagcttgtg tgtatttacc cagtgcctca atagttgata ctgccagtga
360tttactctg tggagtaaag gtaagcatgg ttttaattct tgagtattat atggtacgtt
420ggagctaggt atttaagaat

440

<210> 1934<211> 444<212> DNA<213> Homo sapien

ctcgctcttt gtgcaggatc ccacgactc tcaacatgag aaagctttta ttttctattc
60ttttcaattt ttccacattc taaaattttg gctgggcgga tcttgatttt taaaacattt
120gtcctttgtt ttctaaagag ggtcgttggt ttgcttagtt tttaaaaaaa tggacgaatg
180atgtttttta acgaacatgt tcactctgct aattttttgt tgtttttttg agacggagtc
240tcgctctgct acccaggctg gagtgcagng gcaccatctt gtctcactgc aagctccgcc
300tccccatttg aactgattct cctgcctcag ccacctgagt agctgagatt ataggtgcct
360gcccccatgc ccagctaatt tttgtatttt tagtacagac agggattcac catgttggtc
420acgctgggtc tgaactcctg agcg

444

<210> 1935<211> 426<212> DNA<213> Homo sapien

tgtgaacact cccctatgta aatatgctga caataaattg tatggagaat ggtattttaa
60aagtgttttg agacttttca cctgtcctat aaaattttga attgtgtatg tgatctacat
120agaaagaata ttaaagagta ggttgaactc tttatagcca aatacagcct taaatagct
180tgtatagcat ccactggcag aagtaatagt tgtgcctcag acttgggggt tgcattgtgg
240cctgggggag ttactacctt tggatgcat gagcggttcc tattagcatc agtgggaact
300cagtactctg tatgtatcca caaaagggaa cttgagaccc acagttattc ttaatttctg
360atattaacaa ccgtacatac tgctgaattt aactcanaat atttcaggta agtgaaagt
420gtgctt

426

<210> 1936<211> 424<212> DNA<213> Homo sapien

ggcacgagga atcaaggga taaaagctta ttctgatatt atagagcata taacagccat
60gtagatatgc atggtataga gaaatcagtt ctatgatgga tgtaccacca aagttgccga
120gcattatata gagatgcttt tgatatgagc cctaaaaata attgggatag agagggagtt
180ggtgaatttg agataatttt tcaaagaaca taccatattg cgacgcaaac ggtagatct
240aatcagtgat aagctatatt ttgagcttta caattgtttt tacaattacc cctgttttga
300gtatatatct tggcaaatca ttctaataaa tatttgctga taactgcgcg gaatacatac
360atggtacgta gaaatttgga agaataccta catattttca ggtatcattc tctgtgcaaa
420tacc

424

<210> 1937<211> 431<212> DNA<213> Homo sapien

cggttgctgctc ggacaggagg caggtgtgta tgggtgaaat tattttgaca ccttagagtt
60aaccgggctc tagagtcagt acattgggtc aagtaacaaa tatcaaagca gaactcttag
120tgtggcacaac aataaataat tgtctcctag attcttatac aagtcactgt ccgtcccaa
180tttggtagctc ttagaatggc tcgagttgca ttcattgtca cagcaagaca caatggtttt
240gatagcaaag cagtagagaa actaaatgta gagaggcaga gagaactgta ttaagtctga
300ggacctggtg gttgtcatgg gcagcaggaa gtgtgaagga gaggggtttc cctccgatga
360aagggaaggct agggcttgat tcangggagc aagtgggatg ggcctgctg gtccctggct
420tgacctatat t

431

<210> 1938<211> 425<212> DNA<213> Homo sapien

cgggtgctgctc gaaaaaaaac caggtttctt tgttgagctg tgtcttgaag gcaaaagaaa
60aaaaatttct acaggagtct ttcttggttc tagttgagct gcgtgcgtga atgcttattt
120tctttttgtt atgataattt cacttaactt taaagacata ttgcacaaa acctttgttt

180aaagatctgc aatattatat atataaatat atataagata agagaaactg tatgtgcgag
240ggcaggagta tttttgtatt agaagaggcc tattaataaaa aaaagtgtt ttctgaacta
300gaagaggaaa aaaatggcaa tttttgagtg ccaagtcaga aagtgtgtat taccttgtaa
360agaaaaaaat tacaagcag gggtttagag ttatttatat aaatgttgag attctgcact
420atttn

425

<210> 1939<211> 426<212> DNA<213> Homo sapien

cgttgctgtc ggttttaaatt tagacctttt gagttaactc ttctaatagt ttgtgctcca
60agagagccca gcacaccctt ccatgaatgg tgtcttttca aagataactg tttttgaatg
120ttcattgaaa aaattgtaga gtagtcactc atcatttttt cagttacact caaataacaa
180ctattagtag acgtgttatt ttataaaga atgaacagat gaggccagga acagtggctc
240atgcctgtaa tcccaacact ttgggaggct gaggtgggag gatcatctga ggtcaggagt
300ttgagaccag catgaccaac atggaaaaac tccgtctcta ctaaaaatac aaaattagtt
360gggcgtgtg gtgcctgcct gtaattccag ctactcagga ggctgaggca ggagaatcgc
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426

<210> 1940<211> 425<212> DNA<213> Homo sapien

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120gtcagaggt cctgcatcaa gcattcatct ccaattgtga ctccagtaca acgactcata
180aatgggaaat gaataacatc catagtgttt agagagaaaa aaatagacca ataactacc
240tactgacaag taaatttata caggactgaa aaccgcctga aacctgtgc aactattgtt
300attaactctg tatagctcca aacctggaac ctctgatca gtttgaagga cattgataaa
360ctgtgtat tacaataacat tatcatctgc agttactgtt tacaagactg cttttacctt
420acacn

425

<210> 1941<211> 435<212> DNA<213> Homo sapien

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60atccctgaag ttctgaagaa gcagctggag gatgattgtt actacattaa caggaggaaa
120cggaagtgc cacaagcact aacaggagcc aggaggaaact ctctcccagt cgcctttgt
180tgaatccatc cagccacag tccacagaga gtcagccgac caccggtgaa ccagccaccc
240ccaaaaggcg caaagctgag ccagaagcat tgcagtctct gaggcgttcc acgcgccaca
300gtgccaaactg tgacaggctt tctgagagca gcgcttcacc tcagcccaag cgccggcagc
360aggacacatc cgccagcatg cccaagctct tccttgacct ggaaaagaaa acacctgtgc
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435

<210> 1942<211> 444<212> DNA<213> Homo sapien

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120tatggtagaa aaatactcag tagctacca gattgtaatg ggtggcgta ctggctgggtg
180tgcaggattt ctgttccaga aagttggaaa acttgcagca actgcagtag gtgggtggctt
240tcttcttctt cagattgcta gtcatagtgg ctatgtgcag attgactgga agagagttga
300aaaagatggt aattaagcca aaagacagat taagaaacga gcgaaccaag ccgcacctg
360aattcaccat ttaattggag aagccacaga atttattcag ccgaacattg tgatatccag
420tggatttgtg ggagggttt tgcn

444

<210> 1943<211> 426<212> DNA<213> Homo sapien

ataacgctac ttgttctttt tgcaggtntt tgcgattcaa ttcggcacca ggccatcttt
60aagtcctacc cgacagtggg ggacgtggcg ctctacatgg ccttcttccc cgtgtggaac
120catctctaca gattcctgag aaacatcttt gtctcacct gcacatcat cgtctgttcc
180ctgctcttcc ctgtcctgtg gcacctctgg atttatgcag gaagtgccaa ctctaatttc
240ttttatgcc aacactgac ctccaacgtt gggcagatcc tgctcatctc tgattacttc
300tatgccttcc tgcggcgagg gtactacctc acacatggcc tctacttgac cgccaaggat
360ggcacagagg ccatgtctgt gctcaagtag gcctggctgg cacagggtcg catggacctc
420atgggc

426

<210> 1944<211> 413<212> DNA<213> Homo sapien

ggcacgagcc cacacaacga gccattgac tccaaagggc agcacagcag atggactgct
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120gtcacataa ggagaaagtg gctgtgctag gattggaacc caggctgtca ggttctgagc
180ccttcccttt ctgtctgtgg gcctactgtg tgctcccaaa aagctgtggc caaattaagg
240aggtggcatg tctgattcat ctgtggcggg gcctgggata tatagtaact ctcaacaatg
300gtgttcatta gtccgggcat ggaggctcac gcctgtaatt ccagcacttt gggaggccga
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413

<210> 1945<211> 405<212> DNA<213> Homo sapien

ggctggtag acacgatccc ctctaaaga aatgttggtg ctacagacagg taaccactgc
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120aggattttta aaaatgtaat atattgcagg atttataacc aggttactg actgcttgct
180tgctttcttt tttttttttt ttttctctt taaaaaacca aaacaaagt tttttaaaaa
240tacttttagg ccccttgga gctggatttt tgaaatgttt cagaagggga caaaaatcgg
300tgggggaaat ttttagttt cccagggtta attaaaaagg tttttaattt ggtttgggat
360tttgggggg gatttttttc cctttatcca aaggcctttt ggccg

405

<210> 1946<211> 405<212> DNA<213> Homo sapien

ttaagaagga cctgatatgt aagcgtggt catttttctt ctggggttta ctgatcaggg
60tgagatttt aacttcattt agtaattact ctaggagatt ttaccttgac ttatatttt
120catgacgttt catgatttgc tgctggttcc aaatgaaact acaaatctgg catgtttac
180tgtgaacact tttgttattt gttttgtacc ctttttgtc ttgttttct gtttttagctg
240ccttctgaaa aaagagttgt tccctctgtt tctgtctca gatgatgtcc ctccccctac
300ctgtaacctt tctttgacat aattgttcat atcaatgaag gtgctgacca gctcaatata
360cagttaagca caagatctaa agctcttgaa atgcccgaga aagaa

405

<210> 1947<211> 404<212> DNA<213> Homo sapien

tttttctgat ggaatcttgc tctggctaatt tttcgtattt ttagtagaga caagggttca
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120ccaaagtgtc gaggcaggcg gatcacctga cgtcaggagt tgcagaccac cctggccagc
180atgatggatc caagccggga ggctgaggca ggataattcc ttgaaccag gatcagagg
240ttgcagttag ctgggcaaca cagcaagact tcattcttta taaaaaaaaa agacccccac
300cccccaaaa aatgggagcc cctgttctcc actttttgaa aagcttaaaa tgtgtttta
360tcttgggcca gtcttttaga cccccctggc caaaaatggt taac

404

<210> 1948<211> 417<212> DNA<213> Homo sapien

gtcggcacga ggctggccgg tcgtgggtggc tcatgcctgt aatcccaaca cttaaggagg
60ctgaggtggg cagagcacct gaggttggga gtctgagacc agcctgacca acatggagaa
120atgccatctc tactaaaaat acaaaaatta gccgggcatg gtggcacgtg cctgtaatcc
180cagctactca tgaggctgag gcaggagaat cgcttgatcc tgggaggtgg aagttgcagt
240gagctgagat cacgccattg cactccagcc tgggcaacaa gcgaaactct gtctcnaaa
300aaaaaaaaa aaggggccgc cgaatgagga aattaaagg gttttttcca aaggaccctt
360gccaaaaaaa aaacttttag ggggaccctt aatccgggaa aacattggaa agccaaa

417

<210> 1949<211> 416<212> DNA<213> Homo sapien

ggcacgagaa gcaactccgt tgctaataaa accagagttt ctggatagtc caaaacattg
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120tgcaagttat cagactccac accagacctt catgaatcag aaactctagg tgtggggccc
180aaaaatgtag cttaacatgc cttcagggtg attctgatgc aaagtaact tacagaacc
240ctgcactaga gaaaacactt ctttttgaga tagtcaagg tgtatactgt ttctaccaag
300cacaaatata ggagcatttg agattcttcc tgtgcaataa taagaaatca acaggaaatg
360tttcagtgc tgtgtgtgtg tgtgtgtgtg tttataaaaa tatcttgata tatatg

416

<210> 1950<211> 412<212> DNA<213> Homo sapien

tgaaacaccg tctctaccag aaaatacaaa ttattagtca ggcgcggtgg cgggtgctg

60tagtcccagc tactcgggag gctgaggcag gagaatgacg tgaacccagg aggcggagct
 120tgcagtgagc cgagatcgcg cactgcact ccagcctggg cgacagagcg agactccgctc
 180tcaaaaaaaaa aaaaagggtt tcaaagttcc tttttgttaa agaaccacg taaaaggctg
 240agtctattct gcatactatg cccacagaaa aggaagaaaa ctttttaaaa gggagaatcg
 300catgttttca atgaaaacat tcacttggtg tttcatttgt aaaaaaaaaa agggggcttt
 360tataaagaac tttggggaaa cactttgctg aaatgttggg actctggaac ta

412

<210> 1951<211> 422<212> DNA<213> Homo sapien

ggcacgaggt gactcacgcc tataattcca gcactttggg aggccgaggg aggtggatca
 60cgagggtcaa agatcgagac catcctggcc agacatggtg aaaccctgtc tctactaaaa
 120atgcaaaaaa ttagctgggc gtggtggcgg gcgctttag tcccagctac tcaggaggct
 180gaggcaggag aatcacttga acccgggagg cggagggtgc agtgagccga gattgtgcc
 240ccgcactcca gcctggcaac agagcgagac tctgtctcaa aaaaaaaaaa gggaaatctg
 300gttttttttt aacccaaaaa tttcttaggt tggggcccaa cttctttgtt ggcggggccc
 360tttgacttt gaagggcccc caccceaagg ggttttgtt gttccaggg cttttgaac
 420tn

422

<210> 1952<211> 413<212> DNA<213> Homo sapien

cctatatcaa aacttatcaa atggtgtttt ttaaataatg gcattttatc atatttcaga
 60tatacctcaa caaagctgtt agaacaagg agttggaatt agaaaaatta cccaagtagt
 120attcaatac ctaattatgt gcttgaaagc actgaaggcc aactatggaa ctcaagtggc
 180ccaccagaga gaagtctggc taggtgctca ggtggcgtg cctgaccatt cagtggctga
 240gccctgtgaa aacaggcatt ctgtaggtct tcggatgagg aacttgacga agcagccggg
 300tgctgccatc ctaagctggg tttccatatg ggcttctctg tgagtgttaa gaaaagctgt
 360gggttgctg tcagagtggg cggcccccact cagggttaacc acagtttctc cat

413

<210> 1953<211> 409<212> DNA<213> Homo sapien

cggtgctgtc gaaaaaattt ctggattctt aaaccaggaa gtatgtctgc atgcaaacat
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 120gttaactgaa cttactatgt ctgtctactt ttaggtctg actttgacct ttcctgtgtg
 180tgaatttaac ttctcctct tagcagtaaa gcaatgcata gattactttt aatgaccac
 240cctttccttt catttgcat agccctatga tattctatat cttcttactt tcttagggta
 300gtagaagtct tggcttgtt tgccagacag agcaaaagtg gcctgggac cactaaatc
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409

<210> 1954<211> 412<212> DNA<213> Homo sapien

cggtgctgtc gggcttggg tgcaccactc acagagctcc ctccccagg cacttagttg
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 120ctctcgcctt ttctctgct cctcagcttg agctgcctgc ccgaagtctg gctgttccgg
 180ggccagtgtg tcacctgcca acttcacat caccctctc cctcgtccc tctctcctt
 240ccccaaggac ctcccccat ttctggcagc caagccatta atctggagac agaaatgggt
 300ttgctatcga ttctctggcc actttttctt tcattacaat ttgtaccggg attcttctca
 360cccttctctg cgtccgtgca tttaaagagt tgtctcttta aatgttgaag ct

412

<210> 1955<211> 408<212> DNA<213> Homo sapien

ggcacgagga gctcctcctt ttttctcact ccttccctt cctccctcca tgccactcc
 60ccctgcctcc agcaggccag gaagaaggca cagtccaggc aagtctggga gcttccaagc
 120ccttgaggte cagctgtggg gcccaaatga cagccttaca aggttctac cagagaggaa
 180aattccacat cccaccagaa gacaggggtg ttggcaggca tactctatc tctcctctt
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 300ttccttccct ccttctctt ccttccctt cctgcccct tgctcacct cctcttctag
 360actgcattag attcattcat ctcatcttcc aggacatgtt ggccagag

408

<210> 1956<211> 408<212> DNA<213> Homo sapien

cggtgctgtc gcttttttct cctattatat ttttggttct attaggattt acttaactga
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120ttcagctcac agtttgaagt gctgagaacc taagtatttt gctgtacggt actgagctgt
180acaaaaatat gatggttttag gtttatgtgc aagactttgt gttgtagtct agacaaaagg
240gtgggcaaga gacatgcaaa gctgaagccc tgcttgaaaa gacccttcaa ggaagtaaaa
300tggcaggggc agagtgcagc ttaacatgtt gctatccctg ttgtttttga gttggttttg
360gaatggattc aagttcttac acaatttatt ttgaatacaa gcataatc

408

<210> 1957<211> 422<212> DNA<213> Homo sapien

ggcacgagga agctgctgtt cggaagtttg ccatggactg gaaagaagtt cttgtcggcg
60cctagcgacg cccaacacct gtccaaacaa aaaaaaaagt gaacaagaat taaaagatga
120aaaaagggat ttattttacaa aatattactc caaatggaaa ggaggtaaaa aaacacaaaa
180tgaattttat aaaccattc cccggtttta ttataggctg cctgctgaaa atgaagtctt
240actacagaaa ttaagagagg aatcacgagc tgctttttta caaaaaaaaaa gcagagaact
300gttagataat gaaaaattac agaacttatg gtttttgctg gacaaacacc aaacaccacc
360tatgattgga gaggaagcga tgatcaatta cgaaaacttt ttgaagggtg gggaaaaggc
420tg

422

<210> 1958<211> 408<212> DNA<213> Homo sapien

ggcacgaggt caatgtttta tacattattg acagaactta cgatgatttt agtggtctca
60gggatgtagt aaagtacttg tgttctgctg gttaggctaa gctgaagtga caaatggccc
120tcaaatgtct ggtttcaaca aaagttcatt tgcttttggt gaatgtctgg cacatgtctg
180tcagccagca ggcacctggg accctgctcc gggttagctt cccccggga ctcggtctgc
240catgtctgac acgtggtggt cactggcag agggacacac gatcggggca agttctgctg
300gcccttaaag cttctacca gaagtgacca ttaaccactt ctgcctacat tcaactgggca
360aatcagggtcc catggcaacg tgagagggca tgtactctcc cttgaggg

408

<210> 1959<211> 404<212> DNA<213> Homo sapien

cgctgctgtc ggtcaaaatc acttatctgt agagcataaa cgatgacctt gatcatgaga
60gaaattgaaa tgagaaaaag ttgaaaaaat gggatgtttg acctaaagaa gaggagcttc
120ttttaagaag taacagccac ttttaaggat ttggagtctt gtcatgcaga aggatcagat
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240ttctctttca agataaattt cttcaaaatt gtgaaaatag aatgagttgt tttgggtggt
300aggctgttcc tgttactga caagttggg attctagagt agaggaatcg tactgaagga
360gaatttgagc taggtgtctt caagttacct ataaactttg aggt

404

<210> 1960<211> 405<212> DNA<213> Homo sapien

cgttgctgtc ggaacattta tattgttatt ctttgtggct attggtgtgt ctcacaggca
60aaagttgatt tggctaaaat aggctcagat gtatttgcgt gccgcgctgt gtgtgtgtgt
120gtgtgtgtgt gtgtgtgtgt atgaaagaga gagagacttt gacgggtgta gatattttt
180gcgctttgcc tactatatga gtgataatca tgtgtttact aacaagtcca tgacctggct
240gtattcataa taccatttaa tattggcgtg agtgttctcg cttgacaaaa agaggcctcc
300cctgcttctt tcaacaactg tcacagagtg ggtgggctga aagctctgcc cacggccctg
360ctattggcga gagaggtctt ttgtgggagc ggtgtctcgt gcgtc

405

<210> 1961<211> 416<212> DNA<213> Homo sapien

cgttgctgtc ggttaaaata gccccctgat gagccaggca ctctgagggga acacagatta
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120acacaaatta naaaattcaa tcttttgaga gattaaaata gggaaaggcta cactgaatt
180tctggaattg cttttcaggt ccaaacttta tcttaacctt aggcaagctc tctggccagc
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300tctctgtcatg tttctcacct tccatgcccc agtaaaactgt tgaaaccaga gaatgggtca
360gggaagcccc atcccactcc cctgaaaata tctgggagac tcttggtgta gggacc

416

<210> 1962<211> 409<212> DNA<213> Homo sapien

ggcacgagca ncnncnnaag taagaggagc aaacaaaatg tatcaatttc agccgaggtt
60ttctagggca aacactagaa tattgtacct ttgtacct gataccttat caatcaatat
120atattactga gcacttcgat gcaaggattc catcacctcc ccaacatgtg atatagaata

180gaagcaggta aatgtttact aaatgaagg acacagcggg cttttggaga ggaaatagac
240tctggcctcc agccatggaa taatttatac tgtctcttgc taacatacct ggagccgttt
300cctcattttg tgatccaaag agtaaacatg taaaaccagc caatcttagg ttatatctt
360gccatcctag agagtaagtg ctccaggaca tcagagtaag aagtcctgga

409

<210> 1963<211> 408<212> DNA<213> Homo sapien

cggtgctgtc ggcgtgtgtg tgtgtgtgcg cgcgcgtgcg tgtgtatgtg tgtgtggtg
60gggagagaat gcacaaacac tcgaggtggt ttgtatattt gactggtgaa ttcatagtt
120gtttttcttg gggtacttan aatttgagag tccgtgagaa gcattaggaa gaacattact
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240cttcttttaga tgtttggatt cccagtcct cttgttttga ggcgtgatat aaattcagcc
300tctcatatcat ttaaaaatat cggttgaaca cctgctatat tctaggcacc gagggagacgg
360cagtgagcag acgagaatgc ctgctcttct ggagccacag aaaatata

408

<210> 1964<211> 404<212> DNA<213> Homo sapien

tggcgacaag attgaagcta ggtctcaggg gtctccagtc ctccctcacc agggccaccc
60cctgcagtat tgagcaccag ctggtccctc tagggagaga ttgacaacag cccggaccct
120gcggcctgcc tattccatct gaatgtcgca tegtctgttt ctactaggg gccgcctctg
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300gccacctact agtcatactg gcctttttaga tccctgaagt gttgttcaaa tccccggatc
360attgagtcct acccccagcc ctctgctgcg gatcactcct taan

404

<210> 1965<211> 411<212> DNA<213> Homo sapien

ggcacgagcc ccgttggcgg atgatttttc taattctgca actgcctgga gcgcgggcat
60gatgacagag gaacgggtcat tgatgatgca tccctggaag acctgggagc caggctctggc
120tccctggact gtatcttccg tgcctccagtg ggagtacaga ctgagagggg gaagggggcg
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240ttcactccta aaatgtctag taaacctttt agtctgttct attctgcatt cattcccttg
300actttcagcc cttgtaattc acattgtttg gctgggatca ctcgcttcac aaaaggaaaa
360gacttcctcc tgtgaagaga tccttagtat actacttgaa gaaccgcgaa g

411

<210> 1966<211> 416<212> DNA<213> Homo sapien

ggcacgagtg acaaagactt cagttagatc tcatgaacc tccagtttcc cagtgcgtac
60agtgggtaga tgaagctaaa ctaaaccaaa tgaggcggga aggcattcgt tatgctagaa
120ttcagctttg cgacaatgat atctacttca tccctagaaa tgtcattcat cagttcaaaa
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300gagaattaga agttgactcc caatgtgtga ggataaaaac tgaatctgaa gaagcatgca
360cagagattca gctgttaaca actgcttcat catctttccc acctgcatca gaactn

416

<210> 1967<211> 405<212> DNA<213> Homo sapien

cgcaagagac tattggcaat ggattcttct ctgtgtacag agccagcacc cacaagtgt
60tgtactatga tgagaagaag agggccagtt tccacaactt taagtgcgag tccagcaggg
120aagaaatgaa atttcatgag ttcgttgaga aactgcggga tatacagcct cgacgagggc
180aagagaggtt gtatctgcag cagacgctca atgacactgc ggtcagggaag attgacatgg
240acttcttagg ttttaactgg aactggatta ataagcaaca gggaaagcgt ggttgggggc
300agcttacctc tatcctgctg ctcatgaca tggcaggaaa tgtgacacct gctcactatg
360atgagcagcg gaactttttt gctcagatac taggtgacag acgag

405

<210> 1968<211> 412<212> DNA<213> Homo sapien

ggcacgagag gaagtattag ctaatcagaa ccacggtgcc aggtgactc accaagggt
60aagattgctt tacttagtag cctcaagccc aaggaactga ttgtgaaaac cacctgaata
120aacaggaggg aggaagaggt aatactgttc atctatacat catataagcc tctgttaggc
180gctgcgcaat ctatcaaccc cagccctgcc ttcccatagg aaattccttt attttcaatt
240gccacatata tagatattcc acggcttaat atacaagcaa atgtgtatat tttttcaagg

300aacagaaaaa aacagtccat cttggctggt ccctatggac cccagcccc actccttctt
360caacaaagtc cctgattttc tcaaaagttc gaacaaaaag ctggaagcgc tn

412

<210> 1969<211> 407<212> DNA<213> Homo sapien

cgttgctgtc ggtatttcac taccattttc tgacttttag cttttatttt cacctcaatg
60tgatttaagc agacaaaaat ttctaattct gctaattctg aaggggaaat agacaaatct
120taaaagctgc ctgaaatcaa acttgattta actcagtaag aatgtgaatt atttgttcta
180cttgggtggt ttaatttaat cgttctgaat atgaacaaaa gggtttggat tttctaaaga
240tcagtggtg tttctgttca tcaggttaa tatttctaac tatattgctt gtaggtgacc
300ccattctgga tttgtttggg ttggtttggt tccagttaaa agagaggaca ggaactaaat
360ggggctaacc acttcaggtg cagcttggtc gagggtagat gggtcct

407

<210> 1970<211> 407<212> DNA<213> Homo sapien

ctcggcacga ggcgaggcca tgtggacccc cacacctttg gggccggctg ggcaaacctt
60gaacccccaa tttctgctg gcctttggct gccctccttc tccaaggcgt gactcttact
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407

<210> 1971<211> 417<212> DNA<213> Homo sapien

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417

<210> 1972<211> 417<212> DNA<213> Homo sapien

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240actggtcatg cttctgaagc tgctcaccg gccgagggag gtcccggcag tgtcccaggg
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417

<210> 1973<211> 409<212> DNA<213> Homo sapien

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409

<210> 1974<211> 412<212> DNA<213> Homo sapien

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300agagccaaga tggcagcaca cgcacctacg aaatcacagt agtactgcc tgcaagtga
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412

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408

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240agtgtagggt agaacaaagg taagtctgag aggttaagaga gaaggacac actttgggct
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420ggg

423

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413

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404

<210> 1979<211> 405<212> DNA<213> Homo sapien
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405

<210> 1980<211> 407<212> DNA<213> Homo sapien
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407

<210> 1981<211> 419<212> DNA<213> Homo sapien
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419
<210> 1982<211> 415<212> DNA<213> Homo sapien
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415
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407
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300cactgggttg tgaagagtat aagagtatcc cttgcagtgt tgctgcttat gtgccaagag
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411
<210> 1985<211> 414<212> DNA<213> Homo sapien
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414
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300tcaaaagact gtgatccgca agttgtggaa gaaatacgcc aagcaataa agtagccaaa
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413
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300agaagcaact ctaggaagtg ggaatctgag acaagctgtt atgttgctg agggagagga
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409

<210> 1988<211> 418<212> DNA<213> Homo sapien

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300ggttacatgg gaacaagtgc ctttgtccga aaaatctata ctaatgtgaa aattgactag
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418

<210> 1989<211> 420<212> DNA<213> Homo sapien

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120ggcagacctg tgaatgtctg tgtgggaaaa gagtggatc gatttcccag cagtttctt
180cttcctgaca attggcagct tcagttcatt ccatcagagt tcagaggtca gttacaaaa
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300ctagaagagc catccagata tattgatatc agtaaagtcc attatttagt ggatttggac
360accatgagag aaacaccccg ggagccaaaa tattcatcca atanagaaga atggatcagn

420

<210> 1990<211> 412<212> DNA<213> Homo sapien

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240gggtgtattgc cccagcggag agaaatgccc cctagtcggg tcgaatgtac cttgggcctt
300catgcagggc gaaatcgca ctatcttacc tggggatgtt aaagtgaaga aggagagaga
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412

<210> 1991<211> 415<212> DNA<213> Homo sapien

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120cacagaaaa gacgagatct tgtctgatgt ggcatctaga ctttggttta catacaggaa
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300gaggtggaca caaaggaaga ggcagccaga cagctacttc agcgtcctca acgcattcat
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415

<210> 1992<211> 383<212> DNA<213> Homo sapien

ggcacgagaa aaatttcaac caaagaacag attcttctcc agccaaccat gtcccggcac
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240cattgtctcc tgccctccta gtcccagga gaggaaaaga aatactgttt tagagaaata
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383

<210> 1993<211> 401<212> DNA<213> Homo sapien

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300tgtcttcccc ttaggaattt tactgattcc ttaaatttaa aagggcgtgt tgtaaccttt
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401

<210> 1994<211> 385<212> DNA<213> Homo sapien

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385

<210> 1995<211> 396<212> DNA<213> Homo sapien

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396

<210> 1996<211> 383<212> DNA<213> Homo sapien

ggcacgaggc tttacttttc aaacatgact attcattggc atcatgtgag tttttgttt
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383

<210> 1997<211> 388<212> DNA<213> Homo sapien

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388

<210> 1998<211> 399<212> DNA<213> Homo sapien

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120tcataacttg gccgggcgcg gtggtcatg cctgtaatct cagcactttg ggaggccgag
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399

<210> 1999<211> 398<212> DNA<213> Homo sapien

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360aaacacataa gtgtcgggta tggtaaatgt cagaagg
398

<210> 2000<211> 400<212> DNA<213> Homo sapien

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400

<210> 2001<211> 402<212> DNA<213> Homo sapien

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120gttttttttt gggccccggg ggggttaaaa acccggggaa aaaaaaatt cccccacca
180accgaaatc ccaaaaaat tgggaaacag gggggcccc ccccccccc cccccctt
240taaaaaattt taagagggg gggcccaat tttttcccg gcggaattta aaaaccggc
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360aaccctcccc ctttaaaag gaaaaaattg gggaccccc ct
402

<210> 2002<211> 402<212> DNA<213> Homo sapien

ggcacgaggt gacaactgat tgggccttgt aggtatgatt ggatttagcc aggcaattaa
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120gtaagacaat tgatactgtc catggatttt agaaagtgtg aagtggagtg attgtgatga
180agcttgaaag attgcctggg gccaggctgt tgaaggcttg gtttgcttag ataagtcaaa
240tgcagtagac aatggatagt catcacagat tttgtacat gggacttcac ataccttaat
300tgaatatcca tctgtacaa aatattgtc aagcaatgta ggaatcaagg gaataaaagc
360ttattctgat attatagagc atataacagc catgtaata tg
402

<210> 2003<211> 401<212> DNA<213> Homo sapien

atcggcaccg agcctgagac ttagaaaccg cttatttgtt taaaaccac cttagagct
60cacaccatta gggagaagca ccatgctgaa tcatttcaca gttttcaact ctgggaaata
120atggagagag tttaaaaatg taaaacttca gctatttttg ggctgaactt gcttacttga
180aaaatctggt gctaggcaca tatatctgcc tctcctttgc gaataccact ccaatattat
240tctttactat tcagatccaa gttcatgat ctacttgatc ttcattgtct ttaaaacatt
300cgaaagatgt caactgagag aaacatttca gaggggggag gcttttggca ctggtgataa
360acatccctcc aagagaaccg cctgggggtc tcttctattt g
401

<210> 2004<211> 400<212> DNA<213> Homo sapien

ggcacgagac aaaatgctct cttgatctta ttgcctcat ctctctcatg gttgtacaga
60ggatagcacc ccaccatgcc agcctgactt ggagatatct cctgctgctt gcctgcaggg
120agttacccca gtttccaaaa acagtcgccc agataaagga ggaaaaggga aaggcagacg
180aatggcatgg cttttactaa agaaaagatg ttggcctcat actctatact cagggttaa
240tgaactggaa tctgcataac tcagcagtc acccagaagg gaaatggta aactgagctt
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360agctgtcagg gagtcgtttg gaattgcaat gtagttattn
400

<210> 2005<211> 382<212> DNA<213> Homo sapien

ggcacgaggt ggcttggtgc aaattacatg caattagccc tcagacagcc tgaatcgaga
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120tcacgtaaat ttgctgctgt aactggatct tcccaagcca caagtctgag aaatggtagg
180cactctgacc tgaccactag attttcagga tattctctct aagagaggta tccttgcttc
240taagtgaccc ctaaaacaga acctagggaa ctctcagcca gataaattag aaattgatcc
300taaataggct tgtgcccagg aaatcaacaa tgcagtaaaa atatcaggac aaaagcaaga
360atacttccca aagtcagaac tg

382

<210> 2006<211> 382<212> DNA<213> Homo sapien

ggcagcaggt tgggaagggt gtagtgccct aggttgggtga cagaagggac agacacttgt
60gcacaggtgt ctttgggtgat ggggtttttt tttttataac ttagtaaaaa aaaaaaaagg
120tttgggaaat tttgtttttg ggaaaagcta aaacccaggt taccctgagg gggcgagggg
180ttttctttcc tgccctttaa atctctttga aaataaaaaac ctggcacttg ttgatggtgt
240ttccaaaccc ctttaatttc caaaaaaac cccaagttaa aggtcttaat ggggagggga
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360aaagttttaa agtgccgttg gt

382

<210> 2007<211> 386<212> DNA<213> Homo sapien

cggttgctgtc ggaacaaggt aagacacatt taatatatct gatcaagtgg tcttgtccaa
60aaaatgtcct gatacatttt tttaaactaa taaatggagg attgcagact tactgaatat
120ggcaggatcc ttttagcatgt aatactttta aatggatcca cactgaactt ctgctggatg
180tactggagta agagtggcca gatattatct ccttcctcaa acaatgcaaa aaccagacaa
240ggatatataac ataagagttt ttagacacta gacaatactg ggcagtgatc cctgagagaa
300aatgaatgag gcattccctac aatttcata gcattctgcc tagatagctt ccagtctgta
360gtctgcagga aggagatcca aaacag

386

<210> 2008<211> 397<212> DNA<213> Homo sapien

cggttgctgtc ggaagaccaa ggactaggag tgtgagaaaa attgatcctc aggaggaaga
60ctgcaatgca ttttagcagga aagagtaatg tttcttaaga aaaaaatgaa acaatgaaaa
120tccactaaaa tctgtctcaa ggataatatt ccatgactct acaggggctta atgcgtgtga
180catatataga cttctgataa gcagtttgaa ttatatgggt cagagaaatt tccaggatcat
240aggactttct tttaaagtaa aataaatagg ccaggcacgg tggcttattc ccgtaattctc
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397

<210> 2009<211> 396<212> DNA<213> Homo sapien

ggcagcaggc tatcaatgta agatacatatc tcagattttg aagactagta ttacaaaaag
60aatgtaaaat atcacattaa taattttata ttaattacat gttcaaatga tattttggat
120atactgaatt aaaacattaa aattagttct acttgtatct ttttactttt ttaatgtggc
180tagaagaaaa taaaattata catgtggctc agattatatt tctattggac agcgtgctc
240tagaacatta tattaagtgg ttattattga agtagacca agtttatacc ataaggatat
300ttttccttaa ataccatgtt tgaagaacaa ttatttattg atccttgaat ctgtaagatc
360aaataacaag tctctatcca tgttacaaa tttaan

396

<210> 2010<211> 394<212> DNA<213> Homo sapien

cggttgctgtc gattttttcc tggagagcct tatcatgtat tttatatgct tatgtgggtg
60tggatgacat catggaccat atagctttta tagagaattt ttctcaccat agaactgagg
120tctcaccagg tgatctacta tgcaaattcc tacagttttc tattcttaag aaataagggc
180cgggcacggc ggatcatgag gtcaggaaat tgagaccatc ctggctaaca cggtgaaacc
240ctgtctctac taaaaatata aaaaaatta gccgagcatg gtggcgggca cctgtagtcc
300cagccacctg ggaggctgag gcaggagaat ggtgtggacc caggaggcag agcttgcatg
360gagccgagat cagccactg cactccagcc tggg

394

<210> 2011<211> 396<212> DNA<213> Homo sapien

gtccagttgc tgacggactc actttttacat ggtcagcttt cagagaataa tcacagagat
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120ctttcgcatt catagaatgg tgggacctca aggatgagtg aggagagaag gattcagtg
180attttctgaa aaattattca ttacctatag ctgatacgac cagtgccagc catgaattac
240ctagtcccca tgcattgaca gctgatttac attcttgccg cagctcctta tctcatagta
300gatcaggcgt ttgagtagca tagcattagc ttatctgttt ttttaagatc aatagaactc
360aacaaggac gatagaactg tataccccag tcaatn

396

<210> 2012<211> 385<212> DNA<213> Homo sapien

ggcacgagag tgagtctatg tattagggat aacagaagga aatcaagcac aaacttgctc
60ttttatttaca ataaactcca tacggaattt gaattctaaa gttacaaaat caatgaactc
120catgtaaaaat agtcttttaca tggaataatg gaaaacaatc gatggctcctt ttcttaaaa
180ccaatttttc cccattgtaa tacctttttt tttttttaa agaaaatctc gctctgtttc
240cagggctgga gggcaacccat ttccatgtaa tatgtacttt ccccaggac tgccagaact
300cacttgccat ttttaaggga tagaacccca ttgactaaac acccttccaa acacccccg
360gatcaatact ttgtatcctt caatc

385

<210> 2013<211> 402<212> DNA<213> Homo sapien

ggaaacgaag tttttgggag aaatccgttt gataaagcct tggcggcttc gaggtcatgt
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120gcaacaggaa cacaggcagt ccagtcgtcc tgagatactg ggaggagcat ggttgctttt
180gaacacgtag gagataaagc ctctctaata atgcctgttt ttttttctt cactctgtct
240cccaggctgg agtgagctgg cacggtgtcg cctcactgca acctccgctt tctgggctca
300agtgattctc ctgccccagc ctcccaagta gctgggacta caggctctgtg ccaccatgac
360tgtctaattt ttttgtattt ttagtagaga tgaaggtttt aa

402

<210> 2014<211> 397<212> DNA<213> Homo sapien

ggcacgaggg acatggctct gctgggcaaa gcaaggacgg gcacatccaa cctatgcggt
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120ccatggtaat gtagaaaaag gggccagcgc ctccagaaaa tgggacccca ggcctggctc
180tgctccttct gctgtgtgat tctggttgag tggccttccc tttgagctct ctggatgaag
240ctaaggagaa gtcttgggtt ctcaagtagt cactattcag actctcgctt tcagagtatt
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360gccaccccat ttgctccag ggctgggtgt ttgtctt

397

<210> 2015<211> 396<212> DNA<213> Homo sapien

ggcacgaggg gacctgctc gccagatgt gctcctggac atttgccag cgtcctactc
60agcaggaact gagggccgt aaagcagcac ggccagggg acgtgaacgg gctcgcctgg
120caactgcca ggacaaggcc cgtccaaca aagggtcctt ggccttgnnn nnnnnntann
180tgngnntnn tgggaagttg agtgggtgggt tntaacctat acaggtttct ttactctgtc
240tttagctcgg gccctccgt tttttttcc ttgaatccga gacgggaata ccgtgggctt
300tctggcctta tcccacaaat ataagaacat tccactgggt gtctgcttcc cccctggaat
360ataggactct ttcctggggg cctgtgaggg cttttc

396

<210> 2016<211> 392<212> DNA<213> Homo sapien

ctgcctcagc ctttcgaacc ggtgagacta caggcatgag ccacctcgcc ccgcctgag
60gatttgaac tattaaaatt agagacctac cgattattga ttgtgtcaga ttgagctact
120aattcgatac tcaggggggg ggaatagaact agtagaaaac tttggaaaat gtcatatagc
180ttaccatttc gagctttgag ttattagata gtgcatgagg ccttcctttt aagaaaatga
240atcaagggtt gaggtctgta atagagtatt aattttaaag ccaactcttc tcttggaggt
300cctgtcagta gcatatccac catatggccc tttcttctgt tttcctgtat tgcattctc
360ctatttagtt ctgtgctctt agatccttct tn

392

<210> 2017<211> 389<212> DNA<213> Homo sapien

ggcacgaggg ccgctggcta tcttggggga gccagctgtt ggactatgcc ccaactgccag
60gaaacaggcg ccggaaggtt ctctgacaag atctcgcttt cctagggcgg tgaaggcgtt
120caaaggctcg gaaggggagc tgggagaagc ggggcagcgc tgagccatgc tcgcgaactg
180tgggtctgtc tgtgaagaga cccagtttctg tgggaccacg gtggcgctg cgctgggagg
240tgagcttgtg acagagcgaa aactacaatt ccagcattc ctgtgggtgcc agaactacct
300tgccccgaaag cctgtgcgag atttaccggt tcttcgcct cctcccacc ggaaaactct
360gaggacatga atagtcgcca ggcttggcg

389

<210> 2018<211> 398<212> DNA<213> Homo sapien

ggcacgaggg aaagaggagc gagaatcaga tagtggaggt atgatgggac tgggtggctaa
60acagagaagg agaggtatat aagatcactg gaatgggaat ggttgtttt gaagtagtga

120agttaggaca caaggggtgaa ctgctttggg gtttgtatcc attctgttag ccttttgtat
180ttaaggccag cactgaagca gtggaggaaa tgggcaaagt aagaagagag aattctgaaa
240tgaagctgac tttgagcagg agtgggaggg aataagctag attatctggg cctccagcat
300ctctagacct agagggtttc tctatttctc ctttttactg tgaccagga aataattttc
360agaagtaaaa aatctcatct gagactctgc aacaggcn

398

<210> 2019<211> 400<212> DNA<213> Homo sapien

gttgcgtcgc attttaagaa gaaatttaatt tgtatttagc tctgtgtctc gccctttgg
60tgtcactctt ctacctcttc catcactata gctaaatatt tagaagtata tcttgacacc
120tagcacaaat gttttgggta agtatcttaa aactgatgga tggataggct ggggcagcat
180ggctcacgcc tgtaatccca gcactttggg aggccaaagg gggatgaatca cctgaggtca
240ggagtttgag accggcctga ccaacttgga gaaaccccg tctactaaa aatacaaaaa
300ttagtcaggg gtggtggcgc atgcctgtaa tctgtctac tcaggaggct gaggcaggag
360aattgcctga acccgggagg cagaggttg agtgagctga

400

<210> 2020<211> 397<212> DNA<213> Homo sapien

ctgctatcgg gaacaatcct tgagggtgag aacgtggatt gattcttgat tgatagtggg
60gattccatta tctgtatttg gcagttatgg cctgctgcgg tgtatagaag cttctttcca
120ttcattttcc cgaattttca tactgtcaa ggaacagttg ggggggaatg ggcagaaggt
180tgggcacttg agtatttgag ctatcggtaa taactgactt tttagggagc acagatttga
240gtagagccat ggtagtagtt agtaccaatg gggttttgc tcttctactc tttcttaaca
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360gccaccaagc tggacctaga atcaagtgtg actttaa

397

<210> 2021<211> 391<212> DNA<213> Homo sapien

cccagtctac attgaggtat agtgtattaa aggatctcag gagacttgca gcaaattact
60actgcttctg tgcttaatt cagatgtctg agctctaaaa aaaagcactc ctagttaaga
120ctccaattgg gttgtaacc ctttggggcc caaggtttat ccaaccccag agggattttt
180tttggctcct ttccttcaag gggaaggcaa aaacggcttt aaagcaatat acccagggtt
240tctctgattgc caccaaatgg cctggacccc ccaaaaaaaaa aaagaatctt aaaaaccccc
300ttttctaate ccttttaata aagggggaaa taagaaggtc tttgccttcg gaaagtctgg
360catgttgccc attacttraa ttttctgcca g

391

<210> 2022<211> 391<212> DNA<213> Homo sapien

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120tgtgtgtttt tgtttttggg tcttgagac aaggtcttgc tttgtcacc aggctggagt
180gcagtgtcgt gatcaagggt cactgaagcc ttgacgtgt gggcactgcc tcagccgccc
240aagtatctgg gaccacaggc gtgcaccacc atgcatagct aatttatttt ttgtagagac
300agggtctccc tgtgttgacc aggttggctc cgaactcctg ggctcaagca gtcctctgc
360cttggcctcc taaaagtgt gggatcacag g

391

<210> 2023<211> 389<212> DNA<213> Homo sapien

ggcacgagct tagctgagct tgttgatatt ctatctctat gttctgtcca ctcatggctg
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120gctttgttac acagtaccaa acatagtgcc tagcatggaa tagatactca atagatattt
180gttgaatgaa caatgaatga atatttggg aatgaatgca ttatccact tgggagcaat
240ccactcttcc tctatgcttt tatatcactt tgcccttacc tctgtttatg gagctctcta
300catttaacct ttatttttagc taattatgct ttagatgcaa ccccttctcc agaaggctcag
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389

<210> 2024<211> 387<212> DNA<213> Homo sapien

ggcacgagga aagttttgccc ttggaagtac aagaccatgt cttccagata ccagccccag
60attaccttca gcattggggc ccagctggag acaacgttga tcataatgaa aaggactgtg
120ttttcaagaa ccatactgag gatgaatccc tagagggaat tcagcccccga gtgggggagc
180atggtttgaa tacgcccttc tctgtgagga gaagctggga ttcattgaat gaggatgtgg

240aaacagaagt tctaagcatc tgctttaatg agaaggggtcc tgttcatgcc atgcctgtgg
300ttgactcagg aaacaggcag gaggataccc atggctccga tggagatggg gatggggaga
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387

<210> 2025<211> 386<212> DNA<213> Homo sapien

ggcacgaggg ggcctcctcc gcgcctcgcg gcatggcgtc ggaggggccc cgggagccc
60aaagcgaggg catcaagtta tcagcagatg tcaaaccatt tgtccccaga ttgcccggg
120tcaatgtggc atgggtagag tcctcagaag catgtgtctt cccagctct gcagccacat
180actatccgtt tggttcaggaa ccaccagtga cagagcagaa aatatatact gaagacatgg
240ccttttgagc ttcaactttt ccacctcagt atttatcttc tgagataact cttcatccat
300atgcctattc tccttatacc cttgactcca cacagaatgt ttactcagt cctggctccc
360agtatcttta taaccaaccc agttgt

386

<210> 2026<211> 383<212> DNA<213> Homo sapien

cccttttgga gaggcgacag ggggaattga ttttaaatat tgttttcgcc tcatcaaatg
60tcaccatcca gtttagctac tggattcac tggattttct caaattggag tgtcgaatgc
120ttagggtttt gaaaaccgcg gcattggaaa gctttgatat gaagtaaag ttggagctct
180tattttctcca gttagcaaat gttagatgcc tggtagctgc ttaggggtcca aatgaacaga
240atagaaaccc tgctttgaag gagaaaaaca ctgaagagaa actacacgta attagtatt
300actgcgcagt atagcttagg aagtgtacc gtagtagaat aatctacagg ggagtgtta
360acagtgttg ggtaggctag acg

383

<210> 2027<211> 384<212> DNA<213> Homo sapien

cgttgtgtc gcttgcttt tacagagcca tgaagcagca gatgcaaccg aatactgtgc
60agcatgagcc acagacgttt acgggaagaa ccggcaggag gcgcgggaa actaaagggc
120tccagctctc tgagtgggtg ctttgccatt gtggctgtgc gagctcagcc tcctggaaac
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300aaaccaccct gggccgagtg ggacctcccc agctgggcgg ctgttaacca gccaggatgt
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384

<210> 2028<211> 382<212> DNA<213> Homo sapien

cgttgtgtc ggcggctgga tggctcttat attccaaaac tcaccccaag cctctcctgc
60aggggtggcc agagattgat cccccagggc tgggttaggc atccctgtc atgccccaaa
120gcgcctgggt ctctgtcat cacacttagt gtaaggatcc atttactcat ctgcctctcc
180gcgcctcttc ccttctctcc cctctctcc cctcctttcc ccttctctc ctctccttc
240ctccccctcc ctctctgagg aacttgggtc agctacagtc aatatctaga gaaggtattg
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382

<210> 2029<211> 382<212> DNA<213> Homo sapien

cgttgtgtc ggcagaacta ctactaaga actactccct gtttgtgagg attgtacctg
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120aggtctgaag gacatttaac acattgattg ttctcttcat ccagcctttg agccctatga
180gttagtgccc ttagcctttg agtcccacag gtatggagga gctacctgtg gggacctgag
240ccatcactat tctgtctca agttacactg gtgcctctca ctgacctgc tctgaaaagc
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360gcaatattgc ttttaattca gn

382

<210> 2030<211> 402<212> DNA<213> Homo sapien

ggcacgagat tatgattata gtaaacagac tagtgggtag taatgctaaa ttaccatcac
60agttatgtgc catctcccca cccattttt tttttttttt ggatcaccaa aaaaatccgg
120gaaaccagcc tgaggggggg ctgacctgt taggaggggg gcaccaccac agggggggga
180attaacgggg accccgggct ccaaaaagac caaaaagtg gcccttgggg cccaccctaa
240cctaaaaaaa aagggggccc taactggaat tcggaaacaa gcggatttga aaacaaaaa
300aaaggatttt ttggccccc ttttaacaa gcggccttaa aatttggaaa accccggcct

360aaaaaaccta gaaaaaaagg ggagggaat ggagggcaaa aa
402

<210> 2031<211> 382<212> DNA<213> Homo sapien
cgtagctgtc gggagggttt gaaggagacc atcagctatt gtgtgatatc agacaccatg
60gtgatgtaac ggatttacag ttttttgacc aggaagaat tgtcgtgct tcatcaacag
120gatgtgtaac agttttcctt caccatccaa ataaccagac tctgtcagtc aaccagcagt
180ggactacagc tctactaccac acaggccctg gcagtccttc ctatagcagt gcaccatgta
240caggtgttgt gtgcaacaac ccagaaatcg ttacagttgg agaggatggc cgaataaatc
300tcttcagagc tgatcacaag gaagctgtaa gaaccataga caatgcagat agtagtacac
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382

<210> 2032<211> 401<212> DNA<213> Homo sapien
ggcagcaggt gatcaaggag atggcagctc atatccgtga ggtggagcag agccgacagg
60aggtggttcg gtctgtctta gaggctcagg cagtgcaga cccagaagag ggctcttcag
120cacctagaag ctggaagggt atgaacagcc aagtagcttc cagcttacag cagccctcaa
180atttggacct gccaccagct ccagagcttg actggatgga gacaggacca tctctgacat
240tcattggcca tcaggatata ccaggagttg gtaacatcca ctcaggtgcc acacctccct
300ggatgatcca agatgaagaa tacattgctg ggaaccaaga aataggacca tcctatgaag
360aatttcttaa agaaaaggaa aaacagaagt tgaaaaaact c

401

<210> 2033<211> 396<212> DNA<213> Homo sapien
ggcagcagat tctccgggt tatattcatt ctctgcttct ttctcccttc acccgtggga
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120ttttggagat tttccttcag ctacaaatgt tccagtacaa ccaatattac tcctgagggg
180caaagacttt ttcataatga tgtccctagt atctggtatg gcgcttgga tatggcattt
240cagaatatgt tcatagttga aacagtagga tagatatttg tcatcttgac aagtagccct
300ttgcaattta tacttgagtt cactcctggc caatggcaca tggctggaaa atgcagaaag
360caaattcact tacagcctga ggcttataaa gcttgt

396

<210> 2034<211> 396<212> DNA<213> Homo sapien
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120tccccccagg gctctccaag ctgggcattt gggcctggtg gatgccaacc tggataacct
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240gatgtggtcc ctgcccttga gtgacagccc agggacttaa tgtggccatc gggcatcaag
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396

<210> 2035<211> 392<212> DNA<213> Homo sapien
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120ccactgcccc cagagccagg cccagttgtg ttggagtata ggtcaggagc tgtggaagga
180ggcagctctg gagggactca tgccttagga gtctcacc ctcagactgc tgcaggacat
240tgccaggcct ctctccactt cttctctcag catacagact tcatgctatc ttccaattcc
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392

<210> 2036<211> 389<212> DNA<213> Homo sapien
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120caagattaca ttacaaaaa ggtccgagtg acagccagtg agaagaatga gtataaagga
180tggtgtttta ctacagacc agtctctgcc aatattgtcc ttgtgaactt ccttgaagat
240ggcagcatgt ctgtgaccgg aattatggga catgctgtgc agactgttga aactatgaat
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360gcatacagcc cagaggatct ggaagagag

389

<210> 2037<211> 397<212> DNA<213> Homo sapien
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120cctccccact aggaacaggg tgggaaagtc tgctcctgag ccaggagtca ggctgggagt
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360tccgcaatta tatccattc tctggagga ccaggac
397
<210> 2038<211> 389<212> DNA<213> Homo sapien
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60ctttactttt ttaagagtaa gattccatat gtctgtctgg aaggagacca tggttattca
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389
<210> 2039<211> 391<212> DNA<213> Homo sapien
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391
<210> 2040<211> 395<212> DNA<213> Homo sapien
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120tcctggagag ggaggaggga ggcagctgcc acagtggaag taacctgaa cctcctgtga
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240cagcccacga ggctgtatct gaggggtgag cctggcacca gcgggtgctc cgtgactgcc
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395
<210> 2041<211> 392<212> DNA<213> Homo sapien
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120tcacaaagcc tattctgaaa tggggcttct ctttattgtc ctgagtcac cctgtgcaa
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240tctcagcgtg ggtgtgatgc tgtactgtct tctccaggg caggctggca ggttcttgga
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392
<210> 2042<211> 401<212> DNA<213> Homo sapien
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120aaccatgtgg tgctttggaa agtcctatgg caacaataac caagataaca aggcgtcgcc
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401
<210> 2043<211> 398<212> DNA<213> Homo sapien
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120ccacactaag gttcccctgg cccacaggga gtttcaggaa agcccccaa gtttagccact
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240gcccgcacc ccaatcccag gtccccttg cccctattt ttctcgggcc cattggggcc
300tgtttctcac ctgctggctg gacccctga agggccgttc ccagaggctc cccaggaggc
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398

<210> 2044<211> 397<212> DNA<213> Homo sapien

cgttgctgtc ggaaagctct gtgttctttt gccttcaatc tgnrtggcttc aaaacaaaca
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120tatgcacaag gtaggactta cttcgttaaga aacaaaatgc cagtattttc ttaagccatg
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240tgaaacttga ggggtgactaa aagtaatgcc tgtgaaacat gatattctatc tgggatggcc
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397

<210> 2045<211> 394<212> DNA<213> Homo sapien

ggcacgagca ggcggcagag gttgcagtga gccaggatcg cgccactgca ctccagcctc
60agcaatagag tgagactgtc tcaaaaaaaa aaaaaaaaaa acccccccca ttttcaaaa
120accctggaaa atttttttgc ggggcccttt taataaaaaa ccacgggggt tttacttttg
180tatttcccca aaccctcttg ggcagggtt tggggggcgg aattttttag ggccctcaaa
240aaaatccttt ggggtttgaa aaccgggaaa accggggcat taccctttt tgggaagggg
300gcaaagcctt ttttttttg ggcctttctt tttttgagaa ggggtcttcc ctgtcccc
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394

<210> 2046<211> 397<212> DNA<213> Homo sapien

ccaaaccac gtcaaaaatg gcttgttttc agcgatgtta taaaacaaag gcctgtttt
60tggaaattggg ggtgactggg tggtttggat tgaaatgtg acaaagatag catgtgtatt
120ttgaataaaa taaaaatttt gtaataaaac ttttaaaaat cagtgtatga aatcaatat
180ttaagactat aggtataaaa ttgtttgatt tcattaacta gcccttttga tgcctagaca
240tgttgtaaaa aaattgtgct atggctgcct ttctttctgc ccacaacac aaagggctat
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360aactggagta aataatgggt ttcttacttg cttanaa

397

<210> 2047<211> 400<212> DNA<213> Homo sapien

ggcacgagct ctggggctac aggtgaggac agggggggga gctcccagcc tgagagtgtg
60gacgtgcagt ctaatgaaga ctaccctcgg aggccctaa ccagggccag gacgagactg
120tcccattgat tgctggtatc tgagtcagaa gtacccaaa caaagccacg tcacgccatg
180aaacggaagc ggacagcaga taaatccact agtacaaag atcctgtgat cgaggatgac
240catgtgcagg ttcttgatatt aaaatccaag aatcttgttg gactactat gaccaattgt
300ggaatcacag atctagtgtc aaaagactgt ccaaagatga tgttcacca tgctaccagg
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400

<210> 2048<211> 401<212> DNA<213> Homo sapien

ggcacgaggc taccctcct cctgttctt cctccagagg tagtctctgt taccctttta
60tttgtttctt ttatgggttt ttttgctgta tttatacaaa tcatgcaca aagagggttc
120tcttctctca taaaagtgat tattagtctt cagtgcgcct tttttctcc taacaaatgt
180aaactgggag ctttttccca agtacatatt tataatactt acggggccta tctagtattc
240tgtgaatata tactgttaat ttattccttc ccattgacag acttaccttg tttccatgta
300ttgccattat aatcaatttg caaagaaaat tgctgaacct ttgttttttc actagagata
360gacattttat ataataagtt gttgggataa gcagttttga a

401

<210> 2049<211> 401<212> DNA<213> Homo sapien

gggccattac ccagccccgg gccccgggtg cctctgcgtc cgtgccaggc ctccatgatg
60caaggccaca tccccgtgct tccagtgaac agaccactga ccaccctgac tgtccaaacc
120tgtgacccca ggccaggga cggggaggaa accaaagaaa accattttca gggagctcag

180acgtcacagg agggagcggg agcaggatgt ggccctggcc tcgccagagc acctgaagaa
240gcatgccgtg agcgaggctg cgagtgcctt gggcgccgtt tctcacgcag tgaatgcttt
300tccaggcctc tgttgcttac tgcaccacac ctgggggggt gggagcgtcc tctaggtgcc
360cctagtctt tgcctgcct cccagaggga ggaaaagccc c

401

<210> 2050<211> 401<212> DNA<213> Homo sapien

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60gggggtgtct gtcgggtggag atggtggggg ctgtctgtcg gtggagatgg tgggggctgt
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300gcccgtctta ggatccccac cctgctgttg aagggggccc attcttcaac gcttcataag
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401

<210> 2051<211> 395<212> DNA<213> Homo sapien

gccaaacatc cagaatgtga tgggacaaga tgggggcagg ggcctcacct ccctgcagag
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120gcacctgtgt gcagaattcc cactgtggcc agcacgagg agtcttttct agtgaaaatg
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300aggcctccag gcttctagag cagctagctt gggctggatt ctacaccca ggctgcccct
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395

<210> 2052<211> 390<212> DNA<213> Homo sapien

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60gggggtgaat tttgggctaa ggagcctgct gatgtcactt ttctgtctt ttcaattatc
120tgtattggct ttttgattgt caaagtaaaa aaatgtgaag attacaggaa tcatgtcctg
180ataatagcta cctcatatca agccctcact atgtgccagg cacttcttgg ggacttggct
240gcagttgtct gttactcttc acacaagctc aatgaggcgg tctgttatt accattttta
300ttttaagaat gaggagaatg cagcttcaag aaggtgaagca acttgccgac cgtcacacag
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390

<210> 2053<211> 388<212> DNA<213> Homo sapien

cgttgtctgc ggcagatcac ttgaggtcag gagttccaga ccagcctagc caacatgggtg
60aaaccttgtc tctactaaaa ctacacaaag tagccaggcg tgatgggtgg cacctgtaat
120cccagctact cagggagcct gaggcaggag aattgcttga acacagaagg taggcattgc
180agttagctga aatcacctca ttacttcca gcctgggcaa cagagcgaga ctcttctta
240aaaaaaaaa aaaaaaaaaa tccggggggc gttttttacg aaaatccaaa ctggataaaa
300accttggggg agttgggaca acccccacat aaaaggcggg gaaaaaaagg ctttatttgg
360gaaattgggg aggccttggc tttattga

388

<210> 2054<211> 397<212> DNA<213> Homo sapien

ggcacgagca gaggtgggag gtgatgagac tcaagactac agagagaaga aagggccggc
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120gagggagggt gggtggggga caaggcagag atgcatatac ctgggacgta cacctgcgtg
180gagcccagaa ggaggcttct gtccgccaca ctgctagtcc ccagggcccc cttgcaagtg
240gacatcatgt taccacacat gcatgtgact tggccagagg agacagagtc ttcattgtga
300ctggaaaaag atccccctct cccggtggat acatttgaca aacaaaaagt gggctgggtt
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397

<210> 2055<211> 390<212> DNA<213> Homo sapien

cgttgtctgc ggccgcaggg gagcgccggg gtcccgccga gcagggtcggg tcagcccagg
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120tctgcccagct cccctctctg gcgggtgttc tgggtccaag tctgggagcc caggtagccc
180tccgcagaca gggcttctcg gcacctcaat gaggacggac gttgatgagg ccatgaatga
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300cctgttgcc tctgtggtcgg ggctgtgggt taccacctgg aatggttcat caggggaaag
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390

<210> 2056<211> 403<212> DNA<213> Homo sapien

cgttgtgtgc ggttaccttt ggctccagct actagctttc ctttttggaa ccttacagg
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120gatttcacta agatcaaggg atggagggga aaatttcata gtgcttctgc atctaggaat
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300gtcccatcat ctctgtgggt gtaccagctt cccactaaga gtaccagtta tgtacgaaca
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403

<210> 2057<211> 391<212> DNA<213> Homo sapien

ggacgagggg gatgagagct gtttcgttcg ggacaagtcg ccggcggcgc ccgacggagc
60agaagagaga gcatggagct ggagaggatc gtcagtgcag ccctccttgc ctttgtccag
120acacacctcc cggaggccga cctcagtggc ttggatgagg tcatcttctc ctatgtgctt
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300ggggacatga tgcaaaagct ctacgggcag ctgagcgatg ccaggaacaa agagaacctg
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391

<210> 2058<211> 396<212> DNA<213> Homo sapien

ggcacgaggc agggagctgc tgacacagcc ctgcaggcag aaggatcccg caaacgtgga
60ttacgaggat ctcttcctct actccaacgc agtggccgag gaagctgcct gccgggtgtc
120tgccccctgag gaggcctccc caaagccagt cctgtgtcac caatcaaagg aaaggaagcc
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300ccagagggtc cggcagcagc taaaaagcca cctcgccact gtgaacttgt cgtcactctt
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396

<210> 2059<211> 402<212> DNA<213> Homo sapien

ggcacgagct tcctctacag ctacagcttt cacatatgac gcagcattcg ggaatgtccc
60cgtcacctag caacagttat gatacttccc cacagccttg cactaccaat caaaatggga
120gggagaataa tgagcgatta tctacatcca atggaaagat gtcaccaact cgctaccatg
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240atgataaagt ggaagaatta atgaggaggg acagcagtgt gataaaagag gaaatcaaag
300cctttcttgc caatcggagg atttcccaag cagttgttgc acaggtaaca ggtatcagtc
360agagccggat ctctcattgg ctgttgacgc agggatcaga cn

402

<210> 2060<211> 395<212> DNA<213> Homo sapien

ggcacgaggc ggccggcgca tctcccacca gagtcaggac aagaagattc acgtgtacgg
60ctattccatg gtgagccgca gccccgtccc gccctgccgg agggcccagt accagcttgc
120aggcccacct gagcctgctg ccctgaccgg tggccccagc tgagcacgca ggcttcctgg
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240cccatggagc acacgccaga cctgaggggt gggacggaca cccccaggca tggccggctg
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395

<210> 2061<211> 387<212> DNA<213> Homo sapien

ggcacgaggc ggccggcgca tctcccacca gagtcaggac aagaagattc acgtgtacgg
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120aggcccacct gagcctgctg ccctgaccgg tggccccagc tgagcacgca ggcttcctgg
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240cccatggagc acacgccaga cctgaggggt gggacggaca cccccaggca tggccggctg
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387

<210> 2062<211> 390<212> DNA<213> Homo sapien

cgttgctgtc gatgctgtgg ccgaccatcg agccaaagac ttcattcacg attctctgcc
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120ggctggagaa cctgtaaacy tgggggcccc gttgacaaca gaaacagaag tccatattgct
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240ggaaaactcc cgtgtgtatc atctggaaga acccaagtgc ttggaaatat acccccagca
300agctgatgcc atggaactgt tgcttggttc ttatccacag tttgtgagag tgggggacct
360gccctgtgac agtgtggagg accagctgtg

390

<210> 2063<211> 401<212> DNA<213> Homo sapien

ggcagagca gggcctcttc aacactggca accagagaat gttaaccagg ctttcaccag
60acccccacct cctatcctg ggaacattag gtctcctgtt gccctcctt taggacctag
120atatgtgtt ttccaaaag atcagcgtgg accctatcct cctgatgttg ctagtatggg
180gatgagacct catggattta gatttggatt tccaggagg agtcatggta ccatgccag
240tcaagagcgc ttccttgtgc ctctcagca aatacaggga tctggagttt ctccacagct
300aagaagatca gtatctgtag atatgcctag gcctttaaat aactcacaaa tgaataatcc
360agttggactt cctcagcatt tttcaccaca gagcttgcca g

401

<210> 2064<211> 398<212> DNA<213> Homo sapien

ggcagagca gggcctcttc aacactggct tccagagaat gttaaccagg ctttcaccag
60acccccacct cctatcctg ggaacattag gtctcctgtt gccctcctt taggacctag
120atatgtgtt ttccaaaag atcagcgtgg accctatcct cctgatgttg ctagtatggg
180gatgagacct catggattta gatttggatt tccaggagg agtcatggta ccatgccag
240tcaagagcgc ttccttgtgc ctctcagca aatacaggga tctggagttt ctccacagct
300aagaagatca gtatctgtag atatgcctag gcctttaaat aactcacaaa tgaataatcc
360agttggactt cctcagcatt tttcaccaca gagcttgga

398

<210> 2065<211> 388<212> DNA<213> Homo sapien

ggcgccaggc gaacctcatg atctatatga tgatattcct ctcaaacttg ggggatgtga
60aaactctggt actgaaggaa aagaccgcat atactgggcc atcaatgaca agcactttgt
120ggcccatata gctaactacc gatctcctgg aagacggacc cagcggcact attcaacct
180ccaacacctt atgtgttcaa tttgtgactc acgtgcacat ttatcagaaa acagtccctt
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300tccagccccc ctttgcgaat actgtcctgt gcctaagatg ttggaccact catgtctttt
360cagacattcc tgggataaac agtgtgac

388

<210> 2066<211> 397<212> DNA<213> Homo sapien

cgttgctgtc ggaccgcat cctgggggtc ttcctctata acaagaccaa gtacgatgca
60aaccagcaag ccaggaagca cctcctcccc gtcaccacag cagacctgag cagcaaggag
120cgtcaccgga gccactgga gaagccccc aacggcctcc tcttccccca gcacggggac
180tatcagtagc gccgcaacaa catcttaaca gaccacttcc aatacagccg gcagagctac
240ccaaactcgt acagtttgaa ccgctatgat gtgtagagtc caaaggacag gaccagactg
300ttggtgactc ctccccggc cccacagca gtatcagaaa cttctgacaa tcagtgaatg
360tacaaccag ccgaggggac ggtgcataac tctccat

397

<210> 2067<211> 395<212> DNA<213> Homo sapien

cgttgctgtc ggtgggcttg ctccattgtg ttggtgcaac ccagcagcg gtctctgggg
60ccaggcagg ggtgggacga ttggacttgg aggggaatac agagggcatg gaagtggcga
120ggctggcctg ttggcgaggg tgtcctgggt gtggggcggt ctgagtcaag gaaggactct
180gaagggtccca agcagctgct gaggccccca aggaagtgtt tccaaccttg gaccctagg
240ggtctggatt tgctggttaa caagataacc tgagggcagg accccatagg ggaatgctac
300ctcctgccct tccacctgcc ctgggtgttca cggcggcctg gtcccttctt gccgagagag
360tgtcctgggt cacggacgca gaggacgctc actga

395

<210> 2068<211> 399<212> DNA<213> Homo sapien

cggttgctgtc ggtgggcttg ctccagggtt ttggttcaac cccagcagcg gtctctgggg
60ccaggcaggt ggggtggacga ttggacttgg aggggaatac agaggcatg gaagtggcga
120ggctggcctg ttggcgaggg tgccttggtg gtggggcggg ctgagtcagg gaaggactct
180gaaggtccca agcagctgtc gaggcccca aggaagtggg tccaaccttg gaccctatg
240ggtctggatt tgctggtaa caagataacc tgagggcagg accccatagg ggaatgtac
300ctcctgccct tccacctgcc ctggtgttca cggtagcctg gtccctcctt gccgagagag
360tgtcctgggt caggacgca aaggacgctc acagactcc

399

<210> 2069<211> 400<212> DNA<213> Homo sapien

cactacttca cgggcctgca ggtgcttcag ctgctgtgc tgtgtgcctt cggcatgagc
60tccctgccct acatgaagat gatctttccc ctcatcatga tcgcatgat ccccatccgc
120tatatcctgc tgccccgaat cattgaagcc aagtacttgg atgtcatgga cgctgagcac
180aggccttgac tggcagacc tggccacgcc ccattcgcca gccctccacg tctctccagg
240ctggctctgg agctgtgagg ggaggtgtag gtgtgtgggt gactgctctg tgctgcccct
300tctcatggct gactcangcc tggggcatct gggcattgta ggggtgcagt ggtatgtgcc
360caccctctc ccattatct ttagctttag gccaaagagc

400

<210> 2070<211> 389<212> DNA<213> Homo sapien

cggttgctgtc ggagaaaaat agaataaaac aacttgaaac tgactcctca gaagaaatat
60cacggttacca agaaatgatt cagaaacttc aaaatgtatt ggagtctgag agagagaact
120gtgggcttgt cagtgaacaa aggctaaaac ttcagcaaga aaataaacag ttacggaaag
180agactgagag ttttaaggaag attgccctgg aggctcaaaa aaaagccaaa gtaaatatca
240gtacaatgga acatgaattt tcaataaagg aacgtggatt tgaagttcaa ttgagagaga
300tggagacag taatagaaat tccattgttg aactgaggca tctcctagcg actcaacaga
360aggcagccaa taggtggaaa gaagaaacg

389

<210> 2071<211> 382<212> DNA<213> Homo sapien

cggttgctgtc gccctaaggg aacagaggct tcttcgggga cagaagctgc cactggcctt
60gaagggaag aaaaggatgg catctcagac agtgatagca gtactagcag tgaggaagaa
120gagagctggg aaccctccg tggtagaag cgaagccgtg ggcctaagtc agatgatgac
180gggtttgaga tagtgcttat tgaggacca gcgaacatc ggatactgga ccccgaggc
240cttgctctag gtgctgttat tgctcttcc aaaaaggcca agagagacct catagataac
300tcttcaacc ggtacacatt taatgaggat gagggggagc ttccggagtg gtttggtcaa
360gaggaaaagc agcaccgat ac

382

<210> 2072<211> 394<212> DNA<213> Homo sapien

ggcagagggt taacagtgt gatgacagcg ggctgctggt acactgtatc tcaggctggg
60atcgacccc cctcttcac tccctcctgc gcctttcctt gggggctgat gggctcatcc
120acacgtccct gaagccact gagatcctct acctactga ggcctatgac tggttcctct
180tcgggcacat gttggtagat cggctcagca aaggggagga gattttcttc ttctgcttca
240attttttgaa gcatattacc tccgaggagt tctctgctct gaagaccagc agggaggaaga
300gtttgccagc ccgggatgga ggcttcaccc tggagacat ctgcatgctg agacgaaagg
360accgtggcag caccaccagc cttggcagcg actn

394

<210> 2073<211> 384<212> DNA<213> Homo sapien

cggttgctgtc ggtctgaatg ccgcctgcat ggcattgggt gatgcagggt tgcccatgcg
60ggctctcttc tgtggggtcg cctgcgcctt ggactctgat gggaccctcg tgctggatcc
120tacatccaag caagaaaagg taggtgtgaa gaccaggggt gctgaagggc agaggccaga
180cagctgccc tcccttctc caggcctcgc ttctctacag acagtcggct catgccacct
240caatcccact tagcaagggc tgctctaata atcatggttc atttagcagc aagtgtgga
300aaccagctc agacttgctt aattaggaag gaaatgtggg gccgggagcg gtggctcacg
360cctgtaatcc cagcactttg ggag

384

<210> 2074<211> 393<212> DNA<213> Homo sapien

ggcagagga aaacttcaat gaaactgaat aaaacaactt cctctgtcaa aagcccttcc
60atgagtctca caggctactc aacacctcgt aacctccaca tagcaaaagc cccaggctct

120gctcctgctg ccttatgttc tgaatcccag tcacctgctt ttcttggtac atcttcttcc
180acacttactt caagcccaca ctctggcact tccaaaagaa gaagagtaac agatgaacgt
240gaactgcgta ttccattgga atatggctgg cagagagaga caagaataag aaactttgga
300gggcgcttc aaggagaagt agcatattat gctccatgtg gaaagaaact taggcagtac
360cctgaagtaa taaagtatct cagcagaaat ggn

393

<210> 2075<211> 400<212> DNA<213> Homo sapien

cggtgctgtc gaccaacacc aagtactgct tgtgccagat gctacgagaa cagctggagt
60cgccccaggg aaggttgctc catgctgccc agtcttcccg ggaaatttgt gaggcctttg
120gccttggtgc cttctatgag gagaccacac aggagctgga tgcccagcag gccaggctct
180cagccaagac ttcagagcag acaggggagc cagctgaaga tacctctggt gtcattaaga
240tggtgtgtaa gtttgaccgg agagcatacc cagcccagat caccctaag atgtgcctac
300tanagtgtg cggaggagg aagttggcac agcctgtgta tgaaacgggt caacgcctc
360tagatgcct gttctcctct attgtcaccg ttgctgaacc

400

<210> 2076<211> 403<212> DNA<213> Homo sapien

ggcacgaggt tcaagctgca ccgactgcac ttcattccgc tcttggcagg aggccccgag
60aagcagctgg aggcctcag ctatgctcgg cacttccagc cctttgctcg gctgcaccag
120cgggagatcc aggtgatgat gggcagcctg gtgtacctgc ggctgggctt ggagaagaca
180ccctactgcc acctgctgga cagcagccac tgggcagaga tctgtgagac ctttaccg
240gacgcctgtt ccctgctggg gctttctgtg gagtcccccc ttacgctcag ctttgccct
300ggctgtgtgg cgctgcctgt gttgatgaac atcaaggctg tgattgagca gcggcagtgc
360actggggtct ggaatcacia ggacgagtta ccgattgaga ttg

403

<210> 2077<211> 400<212> DNA<213> Homo sapien

cggtgctgtc gctcactgca acactcttgc ctccagggt caagagattc ttgtgcctca
60gcctcccagc cagctgggag tacagacccc tgccccata cccggctaatt tttttagca
120aattactcat ttgtctgtct actttttatt ataaagattg tggcaactct gcttaggact
180cttgattttt ctgcccatt aaggtaaaaa aagaaaaaaa aaagcaacca ccaccataat
240attaccagc aaacragctg tgttctgtaa aaggccggcc tatcagattc aagttgcaag
300ccttatacac agtaagtgtc tcatgcacat atccatgagg attcacataa gctgccatcg
360gcccacataa ggataaacta aaacaaagaa tcaucatggt

400

<210> 2078<211> 391<212> DNA<213> Homo sapien

ggcacgaggg agcgtgggtg ggacacgggt tctggtgtan acggggagcg tgggtgggac
60acgggtgtct gtgtagacgg ggagcgtggg tgggacacgg tgtctggtgt agacgggag
120cgtggggtgg acacgggtgtc tgggttagac ggggagcgtg ggtgggacgg tgtctggtgt
180agaccgggag cgtgggtggg acacgggtgtc tgggtgtatac ggtgagcgtg ggtgggacac
240gggtgtctgt gttagacggag agcgtgggtg ggacgggtgtc tgggtgtatac tgggagcgtg
300gggtgggacac ggtgtctggt gtanaccggg agcgtgggtg ggacacgggt tctggtgtat
360aatggaatgg gagtgtgtgt ttgtgacatg g

391

<210> 2079<211> 398<212> DNA<213> Homo sapien

ggcacgagcg gtcgcggagc tgcggccagt tttgggaggg ccggcccccg gatgctacac
60acaacccagc tgtgcctatg cggacatcac gctcgccatc aagtttctgt ttgagcgtgt
120ggagggcatc tccagggcta ccatcattga tcttgatgcc catcagggca atgggcatga
180gcgagacttc atggacgaca agcgtgtgta catcatggat gtctacaacc gccacatcta
240cccaggggac cgctttgcc aagcagccat caggcgggag gtggagctgg agtggggcac
300agaggatgat gagtacctgg ataagggtga gaggaacatc aagaaatccc tccaggagca
360cctgcccagc gtgggtggtat acaatgcagg caccgaca

398

<210> 2080<211> 397<212> DNA<213> Homo sapien

ggcacgagga caggaggaag aaacaagtat aaaggttttg gttttggaaa gaagttggaa
60tctccagacc ctgggacctt aagatccaca gaattgctga aagaaaaagt actaccttat
120tgaaaggatg aagaaacacg aaaagattat gattacatgc tggatcatcc agaagagtag
180tacagccatt actaccacta ctatagcagg cgcttggccc ctaaggtgga tgtagagta

240gtgatttttg tcagcgtgtg tgctatttcg gtgtttcagt ttttcagctg gtggaatagc
300tacaataagg caatcagcta cctagccaca gtgcccgaagt accgtatcca agctacagag
360attgccaagc agcagggact gctcaaaaaa gccaaag

397

<210> 2081<211> 403<212> DNA<213> Homo sapien

tcaattccgt tgctgtcggc ggcgggccaca gttggggccg gtggctccgg aacgagatcg
60ggaagggaac agtccactaa cctgcccgat agctatcatc tggcccggag gagaacctg
120caagggggtg cgagctcctt gctgacacag gcagggtttg agagtggcga aaaagcatac
180gtggaacgc tgacagagat gctgcagagc tacatttcag aaattgggag aagtgccaaag
240tcttactgtg agcacacagc caggaccag cccacactgt ccgatatcgt gggcacactt
300gttgagatgg gtttcaatgt ggacactctc cctgcttatg caaaacgggtc tcagaggatg
360gacatcactg ctctccggg gaccaatcag ccagtgaccc ccc

403

<210> 2082<211> 394<212> DNA<213> Homo sapien

ggcacgagcc caaagtcaaa caaactgact tacagaagct ggcacagagg gaggaagccc
60tccaaaaaat acggcagaag aatacaatga gacgagaagt aacgggtggag ctaagtagcc
120aaggattctg gaaaactggc atccgttctg atgtctgtca gcatgcaatg atgtacctg
180ttctgaccca tcatatccgc taccaccaat gcctaattgca tttggacaag ttgataggat
240atactttcca agatcgttgt ctgttgacgc tggccatgac tcatccaagt catcatttaa
300attttggaat gaatcctgat catgccagga attcattatc taactgtgga attcggcagc
360ccaaatacgg agacagaaaa gttcatcaca tgcc

394

<210> 2083<211> 385<212> DNA<213> Homo sapien

cgttgctgtc ggggaattca ttcaagactt tcataaactc accgcagctg acgataaaac
60tgctcaggta gaagattttc tgcagtttct ttatgggtgca atggcccagg atgtcatatg
120gcaaaacgcg agtgaagaac agcttcaaga tgcacagctg gccattgagc gaagcgtgat
180gaaccggatt ttcaagctcg ctttctaccc taatcaagat ggggacatac ttcgcgacca
240ggttcttcat gaacatatcc agagattgtc taaagtagtg actgcaaact acagagctct
300tcagatacca gaggtttatc ttcgagaagc accatggcca tctgcacaat cagaaatcag
360gacaataagt gcttataaaa cccc

385

<210> 2084<211> 386<212> DNA<213> Homo sapien

cgttgctgcc tgaatgtatt cgagcactat ttgggggatg acacgactag ggagcatcca
60cctgtgtgcg acagctgtga taactatgac gctagagcct catgcagatc caataacacc
120gccagtaaac agacgaaaca tgccactgac ctggatttaa ctgaacaggg attagggcct
180atgataaatg gcattgtctc catgttgatg ctgatgctat tgatgatgtt tgctgtccac
240tgtaacctgg tcacaagcaa tgctactct agtccaagt tagtcctggc ctcatacaat
300catgatggca ccaggaatat cttagatgat tttagagaag cttacttttg gctaaggcaa
360aatacagatg aacatgcacg agtaatgn

388

<210> 2085<211> 403<212> DNA<213> Homo sapien

aattcggcac gaggtagcat ggagggggag aggacgtagg ctgtgctctc gggctttgtg
60ctcggcgcac tcgctttcca gcacctcaac acggactcgg acacggaagg ttttcttctt
120ggggaagtaa aaggtgaagc caagaacagc attactgatt cccaaatgga tgatgttgaa
180gctgtttata caattgacat tcagaaatat attccatgct atcagctttt tagaatgtgg
240taggttggtg caaattccgt cgtcattcag atcagatcat gacgtttaga gagaggctgc
300ttcacaaaaa cttgcaggag catttttcaa accaagacct tgtttttctg ctattaacac
360cgagtataat aacagaaagc tgctctactc atcgactgga aca

403

<210> 2086<211> 390<212> DNA<213> Homo sapien

cgttgctgtc gctcctttgt ggcccctctg caagagaagg tggcttttg attatttttc
60ttaggagcca ttctctgcct ttctttttca tggctcttcc acacagtcta ctgccactca
120gagggggtct ctcggctctt ctctaaactg gattactctg gtattgctct tctgattatg
180ggaagttttg ttctctggct ttattattct ttctactgta atccacaacc ttgcttcatc
240tacttgattg tcatctgtgt gctgggcatt gcagccatta tagtctccca gtgggacatg
300tttgccaccc ctcatgtatc gggagtaaga gcaggagtgt ttttgggcct aggcctgagt

360ggaatcattc ctaccttgca ctatgtcatc

390

<210> 2087<211> 383<212> DNA<213> Homo sapien

cgttgctgtc ggctgggtgat agctgtgtta cctgccaaat ctccaccaac aaataaaaac
60ggaagtaa at ccagcaatgc cagttggcct ccagaattcc aaccaggagt gccatggaaa
120gggtatccaaa acattgaccc tgaatctgac ccctatgtca ccccaggaag tgtgctgggg
180gggtacagcca catctcccat tgtagatact gaccaccaac tgctgcggga taacaccaca
240gggtctaatt ctccctcaa cactcgtg ccttcacctg gtgcctggcc ctacagtgc
300tctgacaact cctttaccaa cgttcatagc acttcagcaa agttccctga ttacaaatca
360acatgggtccc cagatcccat agg

383

<210> 2088<211> 402<212> DNA<213> Homo sapien

ggcacgagca gacatggcgg tgttggcggg gaacagcggg gagacgtgct acagcaagta
60cgggggcatg gccctcaaga gccgggcctg ccacgagatg gccctgagaa tcgtcctgca
120cagcctggac ctccgcgcca actgctacca gcgcttcgtg gtgccgtgc tcagcatcag
180cgctgacttc tacgtgcgtg tttttgtccg tgtcttcacc ggccaggcca aggtcaaggc
240ctcagccagg gccaaagttct ctgcagcctg tgggtccctt gtgacccccg agtgtgaaca
300ctgtgggcaa cgacaccagc ttggtggccc catgtgggca gagcccatcc atgacctgga
360ttttgtgggc cgtgtcctgg aggtctgtgag cgtaacccc gg

402

<210> 2089<211> 381<212> DNA<213> Homo sapien

ggcacgagtg cagcctgtg atcccagcta cttgagaggc tgaggcagga gaatcacttg
60aactcgggag gtggaagttg cagtgcgtg agatcgtgcc actgcacgat ccgcctgagc
120gacagaatga gattccatct caaaaaaaaa agtacttaat acctacttta aagattgtca
180tggaatatata aagtatgtgg cccttactaa tgctagataa tgctttgctt tcttttattt
240gcatcttacc ctcttccgtg agtattgata ctgtcttaaa catagtaggg tttgattaga
300tatttgctgg ttgccccttc acctgcaggg gatacatata aatgttggtt ggtattggat
360aatgaatatg atgtttctaa a

381

<210> 2090<211> 367<212> DNA<213> Homo sapien

ggcacgagga gctttgtcaa aatacctggc ctctagtctt gagattttat tattgttcat
60tagaccagtg cttagggcatg aatgttttgt gtttatcttt tttttttta acctttattt
120taagggttaag ggaacccag aagggttgtt ccataggaa acctggggcc acaggaattg
180gtggaccatt taattcctcc ccccgggggg aagccccagc cctaaaaagg aatttttttg
240gcccctttcc tttccccccc ctccccttt aaaaaaac ccaggggcaa tggttccttt
300tttggggcca aaaagtctta acatttcctt cccctaaaa agggaaacca gcgcggagtg
360aattttg

367

<210> 2091<211> 363<212> DNA<213> Homo sapien

ggcacgagat agggtagtct tgactagata taaccaaggg ataaaagagg attagctgac
60tcaggataac atttcaggtt tgtgaagatg aatttgcct ttgaaacaga tctttttaga
120aagggtgttt cataatttct gaccgaagta tttgttacac gtaaaataag taagaacgga
180ctgaggccag aaagctgtgg atgacagaag ggattgggtg attctcagt aattttgata
240caaattaagt atgtgggtag ttttaataa catttactat atatatatat taatgaaaaa
300ttgtttccta aactgtgaaa aggttatta aagaaattta gaggctggat gcggtgactc
360atg

363

<210> 2092<211> 380<212> DNA<213> Homo sapien

ctttgatcct tctggaatta attttgggtg attgactgag gtaggggctc acgtttcctt
60cccgatgtca gccactactt ttggtctttt aatctataaa agcagggcac tgggttagaa
120tttccataat ctcttatata tcaaacaaag cactcactgc aaacttgatc aatagaggaa
180agtatgcttt ttttgatatt taccttttac cagtttctact tactgtaaat cataagggtg
240tcttacatag tagaaaaata gcattatctt aaacctggct ttttattact aaatatatca
300ctaaaaatgc tttacaaagc agtaatgatt ttatttcttg gggaataaaa tcaagaaagc
360taaaggagct gctatgccac

380

<210> 2093<211> 375<212> DNA<213> Homo sapien

ggcacgagac gaaaggaaac cttacagaaa catgaagccc tcaaccatct gctactcagt
60tattcggggc tgacggcggc ttctagaaca tccaggtgtt ctgcagatgc gagaactcat
120cctgtagtca ccagatggag tcccaaacag ccaagcagat gtaaggcctg tgctgtggct
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240gatgtctaatt tattgaacac gaccagtcatt tttactgagc tgcggtgagg aaacactgac
300catagaagat caagccaaat gagggattgc aaatttctctg attcttttga attaggattc
360cagatggggg cctca

375

<210> 2094<211> 369<212> DNA<213> Homo sapien

ccgttgctgt cgggctgagg acttatctgg ggttctgaga ctccctgtcc cggaccgag
60cgtaaagg atctgaacaa agtctgtctca aatctcctgc tgtgaaccag cagaattttt
120gaacagggtt cttcacatat aaaaatctat tgtaaaaaata cggaaacagaa tggcagcgga
180aacgcagaca ctgaactttg ggctgaatg gctccgagct ctgtccagtg gtgggagtat
240tacatccccct cctctttctc cagcattgcc gaagtataaa ttagcagatt atcggtacgg
300cagagaagaa atgttagcac ttttccttaa agacaacaag ataccttcag accttctgga
360taaagaatt

369

<210> 2095<211> 377<212> DNA<213> Homo sapien

cggttgctgtc ggccacgaac acagccttgg gcccagggtg atgcgcgccg ctcttgagtc
60cctcagatgc caaacgcaaa aaaaagcctt ctctctctaaa gacacggaaa tgcaccgagt
120ccggctctgc ctcaccccca aatccttccg gtccccaac tcggcagcca aaatcgaaaa
180ctactctcgt ctcagcgccc ccgctgttga ttacctgcca ttccgcacgg gcgcctgcgc
240cccggccgct gtcgcccact taggacggca tcccagagact acccttctca aggccgtatg
300accagtcgga gctgccatga tagactctcc gaagccgggtc gtcacctgcc ggaccagccc
360tgcagcaccg tctctcn

377

<210> 2096<211> 372<212> DNA<213> Homo sapien

cggttgctgtc ggccacgaac acagccttgg gcccagggtg atgcgcgccg ctcttgagtc
60cctcagatgc caaacgcaaa aaaaagcctt ctctctctaaa gacacggaaa tgcaccgagt
120ccggctctgc ctcaccccca aatccttccg gtccccaac tcggcagcca aaatcgaaaa
180ctactctcgt ctcagcgccc ccgctgttga ttacctgcca ttccgcacgg gcgcctgcgc
240cccggccgct gtcgcccact tcggacggca tcccagagact acccttctca aggccgtatg
300accagtcgga gctgccatga tagactctcc gaagccgggtc gtcacctccc ggaccagccc
360tgcagcaccg cc

372

<210> 2097<211> 148<212> DNA<213> Homo sapien

ctangaaaga ccccttcctc ttgcagtggt tctccagcgc cctctactga caaagtatgc
60catcatgcaa gctgcaaagg aaacatttca agagtctata tctattttca cggagcgggc
120accaacagtg aatgtggagc tgagagag

148

<210> 2098<211> 379<212> DNA<213> Homo sapien

ggcacgagag aatgcctcca ggctgggtcat tccatgtgac tagtgcaggg ttgcatggga
60gaggatagct gatgaacca gattgtgaaa ggctttgtgg ctctgtgctga ggattgtggg
120cttaactctg ggtattgtgg agctgttaaa acacatatta aggagtgcag tgatcagatt
180ttccttttta aagtgcattc tgtggagcag taattcttag ctatggagtc caccacaaac
240tttgtcatga taggttgtga ggtatattaa gtatatgtta ccaataataa aatatcaggg
300cttacacatt aattgatttt ttaataagtt aaagcaagtt gaggttatca ctgtgatttt
360cttcattcac ttacatcct

379

<210> 2099<211> 375<212> DNA<213> Homo sapien

ggcacgagat acattttata ttggaaggt tgtccaaggg caggtgggag cagtatatga
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120gctgtccaga caaggtgtgg gacacaattt cttatcagac caacaacctg caaagcagtc
180ctcagtcctc atttccctcc tgcttgtgac cagctatcaa aacctcaact ctggctaaat
240ccagcaatcc gcctagggtg ctgagcactg ctagagacaa atcatacaac tatgcaaatc

300agtgttacta tatgatcact aacctcgtat gaaccttcac tgtgcttgca acatcagctc
360ccattcctac_cactt

375

<210> 2100<211> 371<212> DNA<213> Homo sapien
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120ccacaagatt agttcgtggt tcaacatctg tagcttcagc acatactgat ggaaaaataa
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240ttcaaattga gtgaagcctt atgtggacta taagttatag attatatact cttattgata
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371

<210> 2101<211> 373<212> DNA<213> Homo sapien
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120tgtgcctcct ggatagccc cacaggttat tgaagacaat ggtgttcgaa gagttgtcgt
180gggtccctcag gcaccagagt ttaccctgg tagtcacaca gttctccacc gttctccaca
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373

<210> 2102<211> 381<212> DNA<213> Homo sapien
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120ttaccgtatg cagtcccca ggatacaggg tcaaaggaga ccacaacat cgcagatgga
180agcccattgg gcagggccca ggacacagt agcatacaat agacattagc tgctgtggtg
240tcttgatttc aagcccagtg cagatgcac tgacttacga aacttcagt acacctgctc
300tgtgccagac actgaagatg gagcagtga cagcactgac ccagccatgc ctctgttgc
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381

<210> 2103<211> 362<212> DNA<213> Homo sapien
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120aatgattcct gctgactcac cagtgtttc aactgttcac aggggtcagg caggaagcag
180atctcttgcc ctccctctga tccaggtcac ttagtccagc ccctgaaagc agtggatgga
240caaccatgcc accctcttcc ttccaatata cttattttg tatcctgccc tttttgtgta
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360tg

362

<210> 2104<211> 375<212> DNA<213> Homo sapien
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120ggacagctga aaaggcagga gttttacttt tgtttgaaaa gagaccacat cacatatagc
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240tcctatggca gtagtataag aaaccttcca ccaagtcaga gtgctctaac tgatgcaaaa
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375

<210> 2105<211> 367<212> DNA<213> Homo sapien
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240ggagctcagg ggccgctctg ccgtggagct ggggtgctgg acggggctgg agggcataat
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367

<210> 2106<211> 375<212> DNA<213> Homo sapien

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120ttcggagaca cctccaaatt ggccatgtcc acagacccca gccaaagcca ggtgccagta
180gggctggacc agtctgaagg ggcctccctt cctgctgctg ccagccctga aagggccccc
240atctgcagcc atggcatgga ccccaaccga ctgggctgcc ccgattgtgc ctgcaagacc
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375

<210> 2107<211> 370<212> DNA<213> Homo sapien

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120tggccgcgtt ctgggggaga gagttacctt tggcctaaat ctccctctgt gtctcttgaa
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300aataagtgt aattcaacaa atgctgacac gtgtacgcca aaatatgtta cttcaattc
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370

<210> 2108<211> 381<212> DNA<213> Homo sapien

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120attcctgctg attccaagaa ccgggcctat gccatcttct tcatagcctt cactgtgata
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240ctgatgcacc cgccgaggcc cgagtaccag actccgtttc tgcagagcgc ccagttcctc
300ttcggccact actactttga ctacctgggg aaccttatcg acctggcaaa cctggtgccc
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381

<210> 2109<211> 377<212> DNA<213> Homo sapien

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120ttacaaatgc ggatctgaga gaatacttgt ctgaagaagt acaagcagta cacaagaata
180ccacctatga cctcattgcc aacatcgtgc atgacggcga gccctccgag ggctcctacc
240ggatccacgt gcttcatcat gggacaggca aatggtatga attacaagac ctccaggtga
300ctgacatcct tccccagatg atcacactgt cagaggctta cattcagatt tggaagaggc
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377

<210> 2110<211> 143<212> DNA<213> Homo sapien

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60tttcccctac acacagtgtg agccggaatg ggaatcgctg aggctctgat ccacttctaa
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143

<210> 2111<211> 354<212> DNA<213> Homo sapien

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60cccacacact caaaaatatt ttctacaaa ccccaaatca attgatgtct ccattctaca
120tggctgtctc caatgtcagg aaactcacta tattccaaaa ttccatttgt tgtcgaagag
180aatcattata gagagacccc ttcatgtgac ctgcgacctg cgatatttaa ttcatttaa
240aagacagaca cacagggaaa tatatagctg agagatgctt tcattaatag agaatcctgg
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354

<210> 2112<211> 332<212> DNA<213> Homo sapien

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120aaagaggcta aaacctcaag agatagagga aattcaagta caggattaag ttgaacaaaa
180gtgataacca accccacaag gtgattttta ttctgtaacc tcagtgggga aatcttcggt
240gcaggggcagt ggtcctcatt tggggtgatt ttgtctccc aagggaacatt tggcaagtc

300tagaaatatt tttggttgtc acaactcggg gg

332

<210> 2113<211> 337<212> DNA<213> Homo sapien

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60aaactttggg atttccttgg ttaaaactcaa agtgactgtg tgacagaagg ggtggattag
120ctatattctt tgctgtatct ttataactaa agctacaatg attagggaag ttgcaatgtc
180aaatcaatat tctctcattt gtctaccaga aagcagctct actagaaatg cacatacata
240agatttttga tttggttcca gttgacactt gatgtgtcaa gtaccaggca gtaaaatgca
300gatccagtaa catttctttt tcttttggtg ctagctg

337

<210> 2114<211> 337<212> DNA<213> Homo sapien

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60taagggtttt taaaaattat tatatctaca ttatgagaag aaggccttta ttgtccttgg
120aggtatgcat ttccagaccc cttacttaag agctcctgga atgtggttct gcttgacaga
180gttctgtatt agcacttggg taccagaggc agcaccacaa tcaagctgcc aggccagaga
240atgtttcctt tccaaactca gctgccctct tgcacttaat ctaattgggt agtgatagaa
300aagtacagtt gttactaaaa cactcttttg cctggag

337

<210> 2115<211> 222<212> DNA<213> Homo sapien

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120caaagaacca gctttagtct tgagtgtatc tgggtgtttc tagctcatca tcggattttc
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222

<210> 2116<211> 462<212> DNA<213> Homo sapien

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120tttttgatgt gtttaagttg agatgctgat tcttcagaga agtctaagct ggagaactat
180atagagagtg gaaagataac aatagacatt gaaagccatg atacaggata aggtcatttg
240gagagaggat agactgcatt ccaacatgag attggttgac aaagagaaac caaccaaggt
300aattaagagg tgcctccact gcacttgtag tcagaaggct gaggttaagat tgttagaggc
360cagcctgggc accacaggga gaccccatct ctaaaattta gccagggaacc atggctcatg
420cctgtagccc caggaatttg ggaggctgag tggggaaggat cg

462

<210> 2117<211> 454<212> DNA<213> Homo sapien

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300ctaattggat agcagtcaac ctggacgcag gaaatcattt tttatttggg gcaaagaggc
360agaggaatgg agctcagagc ttttagagaa tatgggcccag aaacaggaag gagtcacgac
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454

<210> 2118<211> 442<212> DNA<213> Homo sapien

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120atctgggaac tcacccccag cgcacacaca tctccccag ggtcccaagg ccccgagct
180tcctcccccg accaaacccc aagacctgga tcccaggaga caacagtctc cacagtgaga
240gcaacattaa gggcaaagcc atggagaaat gtgggagagg cgggcctcaa atctttccat
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360ctcctccatc accctcagcc ttcacacttc aaagttcaag ttcaaagctg ttcaagttt
420ctaccagcaa agagccctaa ct

442

<210> 2119<211> 436<212> DNA<213> Homo sapien

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60ggttggaact tgtgggaaca ttccaacttg ctaagcaggg tccactggga gggaagctct
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436

<210> 2120<211> 434<212> DNA<213> Homo sapien
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 120gtttaagaaa agagggggcaa tgagagggag cgagggggaa ggcctagttg gtatttgagc
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434

<210> 2121<211> 434<212> DNA<213> Homo sapien
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 120gtgatatgag gaggcagagg cagcaccag gagaaacagg gcagtggacc aatggacagc
 180tccaccagct ccacatcttt ggaagctaga tttggggaga gagaagctct accccagact
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434

<210> 2122<211> 431<212> DNA<213> Homo sapien
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431

<210> 2123<211> 423<212> DNA<213> Homo sapien
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 120ttgttatttt caggtccccc accccccaaa aaagggggg gtttgctccc tttaaagggg
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 420agn

423

<210> 2124<211> 170<212> DNA<213> Homo sapien
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 170

<210> 2125<211> 424<212> DNA<213> Homo sapien
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424

<210> 2126<211> 424<212> DNA<213> Homo sapien

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420cagg

424

<210> 2127<211> 423<212> DNA<213> Homo sapien

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120catgcagatt tacatttgac tgttggagca atgaaagtaa acgtgtatct cttgttcatt
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420ggc

423

<210> 2128<211> 426<212> DNA<213> Homo sapien

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120cttttgggca cagggtcagt ggtagccatc ttagacactg acatttggct ttgtcgtcaa
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426

<210> 2129<211> 424<212> DNA<213> Homo sapien

ggcacgaggc cacattcact ctctctgtgg cctttcttcc tctgggcaaa gaagggcttc
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420gcn

424

<210> 2130<211> 428<212> DNA<213> Homo sapien

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420ccccctgtg

428

<210> 2131<211> 424<212> DNA<213> Homo sapien
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420tttt

424

<210> 2132<211> 427<212> DNA<213> Homo sapien
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240gccagagagc attacettca tctctggctc tgctgagccg gcccttgagt cccccacctg
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427

<210> 2133<211> 427<212> DNA<213> Homo sapien
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180aaaaatgaag aagagaaagt ggaaattttt catcctttgc gactagtctg ggatccactg
240tcacctgctg taagacagaa agaaactgtg aaaaatgacc tgctgtaaa tgaagctgca
300attagaaaaa tagctgcctc tgaatatgag ctgacttrtc ttcgctctca gattgcagca
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427

<210> 2134<211> 427<212> DNA<213> Homo sapien
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120atagcaagga aatacagttc ctgctccacc attttcctag atgatagcac agtcagtcaa
180ccaaacctca agtatacaat taaatgtgtc gctcttgcaa tatattatca catcaaaaa
240agggaccagc atggaaggat gctcttagat atttttgatg aaaaatttca cctctttc
300aaatccgaag tgccaccaga ttatgacaaa cacaaccagc agcagaagca gatttaccgg
360ttcgttcgga cactgttcag tgctgctcag ctgacggctg aatgtgccat cgtcacctg
420gtgtacc

427

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240cgggagcgcc tgggtgagaat gtattttgac aagtatgttc ttaagccggc cacagaagga
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429

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120ggaaaaatga aaagccattg tataaatttt tttttgaggg ggagtccttg tctattggcc
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417

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 120aaaaaagggg atcgggattt tttatataca ccttaaacca ctttttttag ctttagggcg
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 240agagctgggc aaagtctact ttctctttgc tgacagtctc accttttctc actgggaagc
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417

<210> 2138<211> 419<212> DNA<213> Homo sapien

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 120ttttgcttta ttccccaccc ccgtgggtct ttttttttgg gggggggaaa aaaaacttct
 180tttaataaga taacaaactt tttttttt ttataaaagat ccccgccag ggtagggggg
 240gggggttttc aaaaaaaaaa aaaaaaaccc ccccccttaa aaaaacttct tcttccccgg
 300caaaaaaaaaa aaaaaaaaaa aacctcctt ttttgaaaaa cggggggggg ggggggggaa
 360ttttttttaa aaaaaaaaaa ttgtggggcg cccccctt ttttttttaa aggggggggt

419

<210> 2139<211> 417<212> DNA<213> Homo sapien

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 120cctgtagtca ccagatggag tcccaaacag ccaagcagat gtaaggcctg tgctgtggct
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 240gatgtctaat tattgaacac gaccagtcat ttactgagc tgcggtgagg aacactgac
 300catagaagat caagccaaat gagggattgg caatttctg attcttttg attaggattc
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417

<210> 2140<211> 418<212> DNA<213> Homo sapien

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 240tagaggagggt gtcaatgtca gatccactgg caagccacca aagaccgtca ctcccaggat
 300cctcacagga gcacatggcg cagtgcgaag tgagacgcca gacctatgtt ccaaacagag
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418

<210> 2141<211> 421<212> DNA<213> Homo sapien

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 180gcccaccccg gcccctttcc caaaagaatt tgggggtttc aagggaacaa cttctggaaa
 240aattgaccag gaaaaaccgg ataaccccaa ccagtttttt taaaccgggt tttggaacct
 300aaaatttggg aaagggaacc ccaggcccat aaacaaaaaa cggggccttt aaaaaggaca
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420t

421

<210> 2142<211> 422<212> DNA<213> Homo sapien

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 180cagaaaattt tcagtctgaa gaacgatcag actcagatgt gaataatgac aggagtacaa
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420cg

422

<210> 2143<211> 417<212> DNA<213> Homo sapien

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300aggaaaaacc ttctaaagag aaggctgtgc ggtgagcagc agccatgggc ccaagcctcg
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417

<210> 2144<211> 417<212> DNA<213> Homo sapien

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240tgaacttttc aaagaggcaa gggaacatgg ggctgtccct ctgaatgaag ccacaagagc
300ttcaggtgat gataaatcta agtcatttac aggtggagga tacagattgg gtagttcttt
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417

<210> 2145<211> 419<212> DNA<213> Homo sapien

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120gaaatccaag gctgccaac cacygacgtc caaaaagtcc aaaccaagg acagcgataa
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240ttctaagagc cttgttctgg gacagaagct gtccttaacc cagagtga caagccatat
300tgggtccatg agagtggagg gcattgtcca cccaaccaca gccgaaattg acctcaaaga
360agatataggt aaagccttgg aaaaggctgg gggaaaagag ttcttgga aa cggtaaaag

419

<210> 2146<211> 418<212> DNA<213> Homo sapien

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120aatrtagggc tcaccacact cattggatct cctttcctcc gggcatatat gcatgggttt
180ttcatggata taagactcta tcacaagggt aaactgatgg taaatccatt tgcttatgaa
240gaatatagga aagataaaat acgacagaaa atagaagaaa cacgtgcaca gagagtccag
300ctaagaaaaa tgccaaaagt taacaaagag ctggcactta aattaatcga tggagaagag
360gagaagcaga aatctacatg gcaaaagaga gtaacaacc ttcctaacat tctcaccg

418

<210> 2147<211> 422<212> DNA<213> Homo sapien

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180aagccagttc atcagctctt tgattacatt tgggtgttaa gcacaggtgc catattagct
240ttcatgttgg ggttgtttca tatgcccttg gatgaatgtg aggaacttta tcgaaaatta
300ggatcagatg tattttcaca aaatgtcatt gttggaacag taaaaatgag ttggagccat
360gcattntatg acagtcaaac atgggaaaac attcttaagg ataggatggg atctgcactg

420at

422

<210> 2148<211> 413<212> DNA<213> Homo sapien

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300ggctgctggc tcccagcacg ggactcgggg gatatacagt ggctgcacca aattgtaggt
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413

<210> 2149<211> 415<212> DNA<213> Homo sapien

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180catggatacc cggtaaaatt ttaggaaaaa aacaaaggaa gaccccgccc ccaaaccct
240tttgccccc ctcttctttt aaaacccagt tttttcagtt gtggaaaaa gagtccccct
300tgagtcggtg gcaaaccgtt tattttttaa aagccccac cttttttta aaaaattctt
360ttggaaacgg ccaggagtaa aaccagggtt ggaaataaga aaagggctcc ctaa

415

<210> 2150<211> 411<212> DNA<213> Homo sapien

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180tagagagaga gagaagagtt aatgaacatg aggtagtgtt cactggcag gatgactttt
240caatagctca aatcaatttc agtgccttta tcacttgaat tattaactta atttgactct
300taatgtgtat atgttcttag attagaataa tgcaacttcg agtatgcttt aatatttcaa
360tattcaagtt acaaatgtat aaggcagtta gaaataatac agtcacatgt c

411

<210> 2151<211> 416<212> DNA<213> Homo sapien

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120tattttatat aactttttgt aactgacctt atcttggcct tgagtcccat cctctctggt
180ggtagcgtaa aactgaaaat tccagtttgg gtcaatattt agtgaaagtt ctactttctt
240ttcagagagt ttgttcccc ctttcttctt tagatgtttt caaacacaca gccccatcct
300actcaacca agtgaagcaa gaggggacaa ttctagaatt ggctgtgcca ttaggtttt
360ttttagaatt tgaactgatt tccttcattt tgatgaggtg gcaactgtcc ccattg

416

<210> 2152<211> 411<212> DNA<213> Homo sapien

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240aggcgtagc cactgcgccc agccttactt atttttaaat cagatttttt aatcaactaa
300aacagctatg agttaagtac ctgcccgtga aaaattttta gaagaagttc taggattatg
360aaattaagaa ttattttcct taactggaac agttctaana tttatctgat n

411

<210> 2153<211> 411<212> DNA<213> Homo sapien

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120aaccctattg agcaaatgtg ggcaacaaaa aaatcagct ttcaactggg gagagccacc
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300tatagcctta gataatgggt tctttgggaa agaccttaa ataggagtt ctggggaatg
360tttattaata atcacgtagt gctgagaagg aggatgtctt aaaaaccaga c

411

<210> 2154<211> 415<212> DNA<213> Homo sapien

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120tctgttcttt tatgcagcct aaagatcaag taataatcat tgacactgat actgagcatg
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240tgttttctgg atgagaagac taacctaaat aagtaggaac cttgaagaat catgttcttc
300ctaggaatta caaatcccc gaatccatgt ctaacataat ttctactggc ctctttgctt
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415

<210> 2155<211> 413<212> DNA<213> Homo sapien
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240ttgcatatac aggggtgatta taatcctgca aaataaaaaa tttattggga taataaaga
300ctgacaggaa aattttttaa gtgttaacat tggttatgtt tgggttgggt aggctgggtg
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413

<210> 2156<211> 414<212> DNA<213> Homo sapien
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120ggcagcctgt ttttaaagaa atgggactaa tgggagaagc tgtttgtcac tctaagagca
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300gccttgcaag tgctcaacag tacatattgg aatgaagtcc ctatgagagc catttctggc
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414

<210> 2157<211> 415<212> DNA<213> Homo sapien
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120tgggacactc tcttgttttg cattcaggaa ggagtgaata tgttttttaa gcaagaaaaa
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300gcatgtaata atattttaga ttctatgag atgtttaatt tgcagtcata agctgtgaaa
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415

<210> 2158<211> 413<212> DNA<213> Homo sapien
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240gaactgtgtt tgggttgggt tctttgattg aattattctc agaagggctg tgttgccagg
300ccctgtgggt tgatcatgtg accgcttttc tgacaaaatg tctgccgcca tctttatttg
360caggctaagt gaagtgtcaa gaaatctggt ggggacttta agcctacttc ccn

413

<210> 2159<211> 416<212> DNA<213> Homo sapien
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300tggatctcag gtccctgcac catgcaactt tgcacttcag atccaacgag gaggaggaag
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416

<210> 2160<211> 412<212> DNA<213> Homo sapien
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240tatcagtcac ggaacgggtt aacttgtttg gtttctggag ccgattcaac ggatctaaca
300gtaatgggga aagaaaagac ttacagctct ctggtttgaa cagcccagga tctgtcttag
360agaaaaagga gaaagaggaa gatttggaaa aggagggaag agagaaaaa gc

412

<210> 2161<211> 412<212> DNA<213> Homo sapien

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240cctgcccaca attctgttct taattgcaag aatattgaaa gacacagcaa taaagtctgc
300agataatcag gttcctccac cagtcagtgc agctcttcaa gggattaaaa gtattgtgac
360actttcaatg gccaaaactg aggtggcgt tcaaaaacag tggacagctc tg

412

<210> 2162<211> 411<212> DNA<213> Homo sapien

ggcagcagaa cctgtcccag acctacatgg ccatgtacct cacctactcg ctccacctgc
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240acgcagcggc tgtgctgctg ggtgctggct gtgccaccat cctcgtcacc tcgctggcca
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411

<210> 2163<211> 415<212> DNA<213> Homo sapien

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120ttgcacccag aagccctgaa tcagattctc agagccctga gtttgaatcc cagagcccta
180ggtatgaacc ccaaagccct ggctatgaac ctcgagccc cgggtatgaa ccccgagacc
240ctggctatga atctgagagc tctagatatg aatcccagaa cactgagctc aaaacccaaa
300gcccagaatt tgaagctcaa agtcccaat tccaggaagg tgcggagatg cttctgaacc
360ccgaggaaaa gagtctttg aatatctccg taggagttca cccctggac tcctt

415

<210> 2164<211> 412<212> DNA<213> Homo sapien

cgcacgagaa aaagtgttac cacttcagca tcaggaagtg aaaatcttac tcttattcaa
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120tatgtacca aggagagaat agaatactcc aaaaccttca aggggaaata ttttaatttt
180cttggttact ttttctctat ttagtgtgtt tggaaaattt tcatggctac catcaatatt
240gtttttgatc gagttgggaa aacggatcct gtcacaagag gcattgagat cactgtgaat
300tatctgggaa tccaatttga tgtgaagttt tgggtccaac acatttcctt cattctgtt
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412

<210> 2165<211> 407<212> DNA<213> Homo sapien

ggcagcagga gatgtgatgt atgctttata aggtcatca gccatgagag agcagcagatg
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120gtgagaggaa cggatgcgga gaggttctga acttgtaggt caaaatgtga aattcgaaag
180aatacccaaa aaacctgaaga aaattttgta aaggaaaata gatttattat taagcacatg
240aaaagatgcc caacatcagt agccatcagg gagatgcaa tcaaaaccac aatgagatac
300cacctcacac ctggggctgt cagaaaaaag gcagtaacaa gtattcgcaa ggatgtggag
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407

<210> 2166<211> 405<212> DNA<213> Homo sapien

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120aactgaaatt tgtcactttt ctgttacgca gagaatcaga ccttttgata atatttggga
180gggtaaaaga aatatgccaa atatgaaact ttttgtcag cactacatac atctttttt
240tgcggggggc gggggggaca gagtctcact gtgtcactca gactggagta cagtgtgag
300atctcggtc actgcaacct ccgctcctg ggttcaagc attctctgc ttcagcctcc
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405

<210> 2167<211> 408<212> DNA<213> Homo sapien

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60agagagagag agagagagag agagagagag agagagagag agtgcgagag ttagacccag

120agagagaggg ggtgtttgct cttgattgcc cccgccccct cctctctttg ggattttttt
180ttttcttttt tttccgagct cttgactttt tttttctgt tgccgcccc tttatcgttt
240tctctttttt tactctttac cttttttttt ttttctgcgc gcacactttt tttttatccc
300ttttttttct ctccctccct ttttgggtgc ctctctttt ttatttatat atttgtgtgc
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408

<210> 2168<211> 408<212> DNA<213> Homo sapien

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120gaaggtgcag aaaagggtcat caaaaagagg ctggattttt taaaaggcag cttccaact
180ttgcacacaa acaggtaaca ggaaggtaca gcaaaaatcc tctcatctga aacactgtca
240gcagaaacaa aacctgtaaa aatgactaat cagctgcaca tattgatgct ctctgcaagt
300tacctttaag tgtttttttt cttatacttg aagttgcttt tacgatatta ttttgggtggc
360tttcttttct ctctttgatg ggcaatagag gaagtagata atgggatt

408

<210> 2169<211> 405<212> DNA<213> Homo sapien

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120aaagtgtcga aacacaccag agggggcagg caccagccag ggtatgatgg ctactaccct
180tttctggaga accatagact tcccttacta cagggacttg catgtcctaa agcactggct
240gaaggaagcc aagaggatca ctgctgtctc tttttctag aggaaatgtt tgtctacgtg
300gtaagatatg acctagccct tttaggttaag cgaactggta tgttagtaac gtgtacaag
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405

<210> 2170<211> 408<212> DNA<213> Homo sapien

cggtgtgtgc ggcattttt atgtacacat gtctattcag actttatcct catgatttca
60gaaaaaatat agagaggggt ctagactgct taatagagga aagaagtatc ctggaaagct
120tggttaagaac gttctagagc cacaacatga ttgtaggcca agggcttgtt ttgtgacct
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240gtaattataa ggtagtttgc cttttctgca gacattttta ggagtcttt tgtgtgagtg
300gtggtggagt gtatagtttt gttgaaccta gctaaattct gaatatcttt ccactaaaag
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408

<210> 2171<211> 406<212> DNA<213> Homo sapien

ggcacgagag tacttttgat aataattcac tctgtgcgag attcctgaat aagtcctct
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120aaacttgggt attcatggaa tttctagtaa atgaaatacc tatactttga tactgaagac
180tgccaaatac ataggaattt tctttcttaa aaaacagtaa tgaagactat atctccttc
240ccagcactga atgttttact agcactgggt gctcaccatg caactgaaga aaatgtggaa
300actcaaaagg tcaggacaga cttccaagca cttgcaactg atgttactgt cttcaatttt
360aataattaca catatttgta tatttcacag aagcttttaa tatttc

406

<210> 2172<211> 405<212> DNA<213> Homo sapien

ggcacgagct caggtctcct aactggccc cattttactt tggggtccaa ggacaggatg
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120gcatcacact aaggaagtga gtgccaaagg gatttagtgg tgtggttctt tcaaagggag
180gtcaggggtca atgggaatct gtcgggacac tcaacatggg ggtgggtgca ctcttgagg
240gaggaggaac acgttcaggg gattgtgagg tcttgacaaa gccacgtggg gcaccttggc
300ttcccgcgag gaggtggaca cccagccaga ggcttggtc aaggtgacct caccctcacc
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405

<210> 2173<211> 409<212> DNA<213> Homo sapien

cggtgtgtgc gctttcattg taaaaataat atgtactttg caccacttaa aaaaaaaaaa
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120gtgttgggccc aacccccgc tgaagggcgg ggaaaaaag gctttttttg gaaaattggg
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240ggcattcttt tttggttaca gggtcggggg gggggggggg aagggttcaa nattgcctac
300gggagaaaaa aagaaaaacc tcagcttgca aatttttgtt cagagatggg atcgttcttt
360gtcgttgagg ggatttacct taaaaaatt cagagatat tgctcatgg

409

<210> 2174<211> 410<212> DNA<213> Homo sapien

cgttgctgtc ggggtgtcca ggcccgttct gcagggtgt tgtgtagact gcagacatcc
60gtacctcacc acagaccaca gatgacctcg tgcatactg tgggctgatg agaggtagag
120catcatgcat cgaggcctga ggggtgcagg cgccctctct tggcctggag gaattgctcc
180taactagagt aagtttacac gagggtccca ggcagagctg cagagctgga accggaggct
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300cagctccgtg ggggtggcatc tggtttctgg tgctattctg ccaagttatc gagctcctcc
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410

<210> 2175<211> 408<212> DNA<213> Homo sapien

cgttgctgtc gggggctgcc cagcacctgt catcctgctg ggatcagggt ttcttagtgc
60ttgagaagac tcaagagggc ctgtcccctg ccattgttgg ccttaagagc aagtgtattcc
120agaagaggag tgggcaccac tctcatccag agggccgtcc tgagaggcaa gtgaggctgt
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240gatgcccac tggacatgga gccgacacag gtatgcaggg ggccagcggg acgcttacca
300acagctgtct tttccccacc tcagaatagc attcctttcg aacaccacgg caagtagctg
360ctcgtctccc atcggaaggc agcactggat tcctggctcg gtggcttn

408

<210> 2176<211> 406<212> DNA<213> Homo sapien

ggcacgaggg aagttatttc acttctctgg ctctgtgtac tcagttgtga aacagcgata
60atgtgtaact cagttttgcc ttaaagatta aatgatataa tgttttaaag tgcttagcac
120tgtatgagtc atagtattca atagggtggt gctgatgttg ctattatagc attaaacttt
180cagagatgaa ggtagaggcc agacatctta tttcaaatac cattgttaact ttaaaaatcc
240cagtaaatgt tgctgttcg gtatacagtc aaaatctccc aaacaaaatc cacaaaacag
300aagtgtaggg tgggacacag gtgcatctgg tgtttcgtaa gtatgagctt agatatggag
360tgtggtagaa aaagaatgaa gagaggataa tggaggaagg gaaaaa

406

<210> 2177<211> 406<212> DNA<213> Homo sapien

ggcacgagct gggaagaaaa gcacaaagca acccgtaacta taatgggtccc catcttaatt
60tgaaagcgtt tgagaatctt ttaggacaag cactgacgaa ggcactcgaa gactccagct
120tcttgaaaag aagtggcagg gacagtggct acggtgacat ctggtgtcct gaacgtggag
180aattttcttg tctccaagg caccataaga gagaagattc ctttgaaagc ttggactctt
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300gttttgaaa tgacacagat tcggaattta cattcaagat gcaggattat aataaagatg
360atatgtcgta tcgaaggatt tcggctgttg agccaaagac tgcgtt

406

<210> 2178<211> 407<212> DNA<213> Homo sapien

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120gtgcatccc acggcagtgg gcagtcctgt cccgcgagcc cggcccttag tctgagtgg
180gtgacctct aactgtggac gccatgtcct atcctcctgg tgggtggcgg cggggcgggg
240ggggcgggcca tgctgggcag cccacacaag cactgtcac ctgctgtcgc cacctggccg
300accctggttg attggggaat gctgtcagcc ccgcagcccc tgtggccata tctggggccc
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407

<210> 2179<211> 405<212> DNA<213> Homo sapien

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240agtttcaaga cagttcgcac ttgaaaaa atgtgacaca tcaacattaa ctttctctga
300aaaagaaggt ttgcctaaca tggctcctaa gaagcttggg atttataaga ctttctctta

360taagatatag tgggggtttt tttgggtgga ggggggtttg tttng

405

<210> 2180<211> 409<212> DNA<213> Homo sapien

ggcacgaggg aagctcccca gtgtcctgga ggcctgctgg ctggacgacc cctgcctct
60ggaaccaagg gtgaccaagg ctggcgccac catggctctg ctgccgtcac ctccctcctt
120tagcattgag cagccccgga ggggctagcc ctgaggtga cctgcccata ggccccacca
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300cggaagccca gcaggtgcta cacaacaagc tcgaggtcat cctgggggac tccattcaga
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409

<210> 2181<211> 408<212> DNA<213> Homo sapien

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60gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga
120gagagaggtt tttttccccc cttgtgagag agcctctgtc tctctcccc cccccctt
180ctcttgggg gctcgcactg tgtcaccccc cccccctct tttttttttt tcccccccc
240cacacacact atctctcccc acagagagtc gcgcgcgctc tctctagggc tctctctctt
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408

<210> 2182<211> 406<212> DNA<213> Homo sapien

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60ctgtcgcctt ggattgttat tttgtgtcac taagtaatcc ataaagcgcc aacatgggaa
120agaaacggac aaagggaaaa actgttccaa tcgatgattc ctctgaaact ttagaacctg
180tgtgcagaca cattagaaaa ggattggaac aaggtaattt gaaaaaggct ttagtgaatg
240tggaatggaa tatctgcaa gactgtaaga ctgacaataa agcgaagat aaagctgaag
300aagaaacaga agaaaagcct tcagtttggc tgtgtcttaa atgtggccat cacggctgtg
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406

<210> 2183<211> 409<212> DNA<213> Homo sapien

gtggggactg gaccgcccga cctgccatac ccgtttctta cggggctcgt cgccgccagt
60agccgcagcg gcgcactctt gggcctcgcg ccggctatgg ccggggcctg gggctgagcc
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300cccagaggga cgacggcgct tttgtgcagc aggtgacgca gaactccct gcggcccgca
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409

<210> 2184<211> 407<212> DNA<213> Homo sapien

ggcacgagga atctcgccca cccgccagaa gtcgtgttga cagatttcca gaccctggat
60ggaagccagt acaaccgggt caaacagcag ctagtgcgtt acgccaccag ctgttacagc
120tgttgcctgc gactggcctc ggtgctgcta tactccgatt atgggatagg agaagtgcc
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240tctccaaagc agccgggtcg tggctactac cgtggcgctg tcggtggcac gtttgaccgc
300ctgcacaacg ccacaaggt gatgatcagt gtcgcgtgca tcttgccca ggagcagctt
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407

<210> 2185<211> 408<212> DNA<213> Homo sapien

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120cgtttaggtg gagaagggtg aaaagggtg gatgtctggg ttgtagccca caacagaatg
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300gtgggtatct cagtaactga tgaaaatggg aaaattatag gagaactcag taaagaaaa
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408

<210> 2186<211> 406<212> DNA<213> Homo sapien

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60gttacccttg gtggccaggc atgatagaat ctgacctga cttaggggaa tattttcttt
120ttacttccca tcttgattcc ctgccgtcta agtaccatgt gacgtttttt ggagaaacag
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300gtaatgggga aagaaaagac ttacagctct ctggttgaa cagcccagga tcctgcttag
360agaaaaagga gaaagaggaa gagttggaaa aggaggaagg agagan
406

<210> 2187<211> 410<212> DNA<213> Homo sapien

ggcacgaggc ctctccatc tcttccacc tcatgacctg tgtgctgagc cttgggtgtg
60tctaccctg gctgcaccgg ctcatccgca ggaatcccct gctctggctt cttcagtttc
120tcttccagac agacaccgc atctacctcc tagcctattg gtctctgctg gccaccttg
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240aggccccac catcgcccg aagtatttcc acctcattgt ggtagccacc tacatcccag
300gtatcatctt tgaccggcca ctgctctatg tagccgccac tgtatgctg gcggtcttca
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410

<210> 2188<211> 405<212> DNA<213> Homo sapien

ggcacgagat cacttaaaag cgtaatggat gattttggaa ccattgagtc aacattttat
60gacattataa aaaataagaa gctaattctg gactttgtac tgaagcagga catgccatta
120ctaggggctg agaagagaaa gaggacaacg gttagccaat atggtgatgt agatgatgag
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300ggttggtttt ttacatttcg aaatcggcac gcaattggga accgaaaagg atgtggggaa
360caagtcttaa gttcagtttc tgagaatgtt gagccatttc gacag
405

<210> 2189<211> 406<212> DNA<213> Homo sapien

cggtgctgtc ggcaacttgt acggatttgc ctttttacgt agacgggctt tacagttaga
60agagcttaca ttatgtaagg acacacctga taatgctcgg accctcaatg aactgggtgt
120tctctactat cttcaaaata acctggactc tatgcaatga aaagaaacag tatgataaag
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300acaaagctgt acctttgtat gaattggctg ttgaaattcg acagaaatct tttggcccaa
360agcaccctag ttagctact gccttgggtg acttatctgt tcttta
406

<210> 2190<211> 399<212> DNA<213> Homo sapien

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60atcaagaatc tgaattataa tattcacagt ctgtcccca acccagtgat gccactgta
120cagatgcgcc tccactaagg ggcataatgc acgctcgtct gaccctggaa tgaggatgta
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240ggcacaaggg ctgtgtggaa gtagggttg tctccatgga tgacgtccag aaggatgtca
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399

<210> 2191<211> 404<212> DNA<213> Homo sapien

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60ccagagaagg gtaagtact tgctaaagtc atgcagtaac atcgatttct catttctctt
120cctgcacctg tctctcctaa tagaattggca tctctcaat acagtttttt ttttatggct
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300agccagtaag gaaatgaatt tctggactaa ttcataataa acaaaggggc aagtttagtg
360gtggagatat tggaaatttt tataggcatt tggtagagca caan
404

<210> 2192<211> 403<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gagagagata gagagagaga gagagagaga gagagagaga

60gagagagaga gagagagaga gagagagaga gagagagtgt gtgtgtgtga gagagagaga
120gagagtgttct ctctctctgt ggtatatata tacacccact ctctcttctt tctctctaga
180cacacaaagc ggctctctcg cgggttttac ccacgctctc tccccccag aatatactgc
240gcgctttccc ctctctctga tatccgcgcg cgcgcgcacg tgggatata tctctctctc
300tctctgcgcg cgcacacaca tatcccgctt ggttttctct ctctctctct cttcccgta
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403

<210> 2193<211> 404<212> DNA<213> Homo sapien

ctgcaagaga ggatttcagg aaaccttgta tgtgtggaat gaacctaaat ggtgcattaa
60aggaatttct ttgcctgaga aaaagttagc aacctgtgaa acggttgact tttggctgaa
120gggtgggagcc ggtgtgggag cttttactgc cgttttgctg gtggctctga cctgctactt
180ctggaaaaag aatcaaaaac tggaatacaa atattccaag ttagtaatga cgactaactc
240aaaagagtgt gaactcccgg ctgcagacag ttgtgctatc atggaaggag aagataatga
300agaggaagtt gtatattcca ataaacagtc actactagga aaactcaaat ctttggcaac
360caaggaaaaa gaagaccatt ttgaatctgt tcaactgaaa accn

404

<210> 2194<211> 401<212> DNA<213> Homo sapien

ggcagcagct atttttttgg tgtgggtgga tggggggaga tgctaaaata ttgctgctag
60gatccagaaa taccacactg tttcatatat tggaacttgt tattggctag ccttatgcca
120gcctgccact gtcaatata tctgttcccc ttggttacia gcttaataata ctcttgtgtt
180tttggcgaaa tgagcttttt atctatttgt aatattttca attgataata gatgtcatta
240aatctactgc ttgtatagag acaggtgtac ccaaatttac tcttgacctt ttataaagc
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401

<210> 2195<211> 398<212> DNA<213> Homo sapien

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120tttttagtaga aacagggttt caccgtgttg ccaggggtgg tctcgaattc ctgaactcag
180gagatcctcc cgtctcagcc tcccaagggt ctgggattac aggcgtgagc cactgcgccc
240agcctattca taattcttta tagggcttat taccaaagaa cagaaggctt tttaaaagtc
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398

<210> 2196<211> 404<212> DNA<213> Homo sapien

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120gtgtgttggc aggtaccgg taagaatggt tgggtgcagc agggacgggg ccctctgaga
180cccattctac aaagatgagt ggtgaaaatc tgatcacttg ctgcagcctt ttagttttt
240attaagccga tgcttagta gctttaatag ctattagcta tgtagtaga ctgagatctt
300ctgttagaag tctttagttc tgttttctct gggggactaa gaaattatat tgcaggcctg
360aattacagga aggggagaac caatggctag ggaatgagag ccan

404

<210> 2197<211> 399<212> DNA<213> Homo sapien

cggtgtgtgc ggccatggtt gtgacaaact ctgaatacca gaggacacaa agggagagga
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120acccttgctt ttctcttctg ccaggctgcc cttttcttgg gcctgggggt gttgttctcc
180tttggtcagca ttcccttggt catctatgac tgggcctgct catcgagtag tgacgaaggc
240cactgaaacc cgccgagaaa aagaaacatc cctgttgtct gctcagtcac gtcccacac
300atcagcaatc tctcaccact tcttttgcaa gtttacagaa gcaaacagaa atgtacagga
360tacttaaaat ggaataactt tttggttgca aaacagaga

399

<210> 2198<211> 399<212> DNA<213> Homo sapien

cggtgtgtgc ggaagaattc ggggtgcag gagaaantct ttttattttg atctgttttt
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120agggggaccca ccccccccc aaaaatcccc ccgcgaaaa aaaaaccccc cccctacgc

180ccccccgtaa aaggacgcat acctcacgaa ccggggggggg gggggggccc ttttctcttt
240tttaaaaagg ggggaaaaaa accccccccc cccggggaaa gaaccccccc cccaaaacct
300tttgaacccg gggggggccc caccggatta attcctcccc ggggggcttg ccttttcccc
360aaaaaggggg ggaaaaagag ggcgcccccc cgaggggat
399

<210> 2199<211> 402<212> DNA<213> Homo sapien

cggtgctgtc gggtgcatat cattaatgaa atcattaacc tttgtctctg gtccttcctt
60tctaaaaaca gcagattata gaaggtgggtc tggcaagggt attttcaaag ggcaaaagtc
120tcatcatcat ctttccactc aaaatcctat tattctacat ttcactttgc aggggtccta
180gggacaggat tgcagggaca ggggacatgg gaggaagaca gaaaaattca aaaccagcag
240atgccactac ctggcaatga attgaaaatt aggggaaagc atctttggcg tgacctttta
300ttaagacaac agaaatttag aacattttac atgcttcttt gttaaattgt gaagcaaggg
360aatgaaagta tttattttta gagctcatag ttaactccat cn

402

<210> 2200<211> 398<212> DNA<213> Homo sapien

ggcacgagtg gaaccagcga ctcaagttatt tcaaaacacc atgaaaataa gattagaaga
60cacaatacaa gaaaacttta caaggattga agggactggc acaggatctc tttctgggaa
120agccttggtg tcaagtgtat atgtcaaaga aagtgatgga ctagaatga cagatgtgga
180atgaagcaat ttgtacgtat taccaaagaa accaaaaact gcctttgact aaggggggtg
240ttgaaagaga acttaacctt attaggaaac cctgacaaaa tgatggaaga ctattgcctt
300attttgcact atttgtgaat catcttacac tgcatttttt tatgatgctt. attcaaaagg
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398

<210> 2201<211> 401<212> DNA<213> Homo sapien

ggcacgagga gaagcagagg gagtggcatg cagggcccct gccatgggtg cgctcctcac
60cggaaacaaag cagcatgata aggaactgag cgggggagct ctggggagca gcttggtgag
120acaagcgctg gctcgctgag ccctgcaagg cagaaatgac agtgcaagga ggaaatgcag
180ggaaactccc gaggtccaga gccccacctc ctaacacat ggattcaaag tgctcaggga
240atttgctctt ccttgcccca ttcttgccca gtttcacaat ctagctcgac agagcatgag
300gccccctgct cttctgtcat tgttcaaagg tgggaagaga gcctggaaaa gaaccaggcc
360tggaagaa ccagaaggag gctgggcaga accagaacaa n

401

<210> 2202<211> 404<212> DNA<213> Homo sapien

ggcncgnnnc actattttaca gagaaacctc caacagatgc ttgatgttgt agaaactggg
60acatatagat accaagcaaa attataagaa acctataagg tgttcaatac gcttggtgtt
120ccaaaatttca ctgtacatga tcagtttgggt gttcttgtag cacagttttt aactgaagga
180accagttgta acagtctcaa ttttaactaa aacttgaaga actaaaacaa caatgcaaac
240ctttcagcat tgtttggcca aacttggtta aactgtaatg caagaaccaa atgcactgtg
300atgtggcacc aactaattag caagcatgaa tttttaccc aagagtga aaaggaaaat
360ctaccatggc ttgaagttaa agagcagaac tctgactac catt

404

<210> 2203<211> 404<212> DNA<213> Homo sapien

cgctgctgtc ggtaatacca ggtgcctgtc ctactgtgt gagtgggttct ctaccagac
60atgaggaggg atcctattgt tccccatagc taggcagcct aagagagtag gggaaagagc
120tggtccaga tgaaaagggc accatctcca gctcttgga gcagagaggg tggctctttg
180gattcccagt ggcagcagca accaacctgg cccttagtag tttctaagtt acaccatgtt
240aatggataaa ggaattactc agcttgaagg gatctgggtc ctttactctg gcctgatgtg
300tggggagaaa ggggcaaaaa agtttacgat ttggagttaa catcgaaatt tctgctttgt
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404

<210> 2204<211> 401<212> DNA<213> Homo sapien

ggcacgaggt aggttatatt tcacgctttg tgctcacta aatatcctct tgaaaggga
60gtttctgtc accctgaaga ctgctggatc agttagttag acaaattcca agaagctggc
120ttggatgtca aattggctctt gggctcatag agaggaatgg atttgttgc ctgaaaagga
180gcgataactc tagtttttaa acatttgttt tagttcagat aattactgcc cttattcatt
240gtgtccacct gagtcagaaa gcattgctgc tgttgcttg tctaaggag gaggaccag

300gcatgtaacg gactgcatgc tggccagttg tgggtggtcag agcaagctgg aggccagcga
360ggcccttcag ggggtctttc aagggtctgc cttggggagc g

401

<210> 2205<211> 402<212> DNA<213> Homo sapien
cactacggct tacggctgac aaaagacggc agaagggact gatataattag cttccttgga
60gtccccaccc tcttctgggt tttccacaag tgtctgacat cacactatat tgcagtcctg
120atcactcagg ttttaaattg ctgtgtaatc tgcgactatg ctctcccctg ataccatttt
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240ttacatttag agtttgctgc tccttctctg gaatattgtt tgcagcgtt cccggataga
300tactctgagt atagatgtgc acctttccat ctctttgtca cctaatacag ctcagtttcc
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402

<210> 2206<211> 402<212> DNA<213> Homo sapien
ggcacgagga aaggcaggag gtggcggctg gcgacccgac ccccgcggcc cctgcccga
60ctcctggggc tcagccaggg cgaatggccg tactcatccc aagaagttgt cctaggtccc
120agacagcttt cagggtccct tgcggaggag gtgggtgggac cacagacaca tggagagaa
180ctggaactgt tctggtttct gaacttttcc ccgacaggac cccagaccct ctgagtcac
240cccgcaggct taacgagact cggggagagt tagtgccgag gccagacact agtgcttttc
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402

<210> 2207<211> 400<212> DNA<213> Homo sapien
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60tttgtgaaga tgtgggtgac acagggggac agggaaaacc atttctcaac ccagatccc
120gtctccactg cttctactct ggggtgggat tcaggaagac aggcacagtc ctctctgttc
180atagaaacac ctgccagtgt caaggattcc agtcagggtt ctatcccaac tggtcagggg
240gagaagggca gaccattct caaagaccac catgtccaag gtctgacagc tccccactgg
300ctgccccac aggggcttta ggctggtctg ggtcatgggg aagcgtccct cttatcgctg
360gtctgtgttc tcctggattt gytatctatg ttgttacgaa

400

<210> 2208<211> 400<212> DNA<213> Homo sapien
ggcacgagac aggaagccct gaaggttcaa aagaataca aaagcaaagg ctattttctt
60ttttttttct ttctttcatt ccttccttcc tcggtttctt tctttcttcc ttctattttt
120ttttcttttt taaaagcgag cggctctgcg ggggcgggtt gggggggggc ccgcccaggg
180gaggtcgtct cgcctccgcg gcgcggtag actggacttg aacactaagt ctccaatagc
240tgagattctc catcttaatc tacttggagg caagagcaga tgggtgttt cattatggat
300ggaggggatg atggtaacct tattatcaa aagaggtttg tgtctgaggc aaaactagat
360gaacggccca aaaggaggca agaagaatgg gagaaagttn

400

<210> 2209<211> 398<212> DNA<213> Homo sapien
cgttgctgtc gcatatgtgt ccatcaatag agaacttgct aatgattta tactacctt
60acatattgaa atacgcatag ccgtggaaga taatttagta gatctatatg tcccattatg
120gaacaatccc catggtgggg ggaaaagtaa ggtgcagaac tgtatcatag atgttctctc
180tctctctctt tttttttgga aagcacatgt atgcttttat atacacagaa aaattctaga
240atggcaaaca agatatcttt gcaatagttt ttttctggga ggggactcat ttaaaaaaat
300tctcccatat tgcttggttt gttttgttaa agacatccat gtattcctac ttgggttaag
360ccatgataac taaatatgat taaagtccag aacaataa

398

<210> 2210<211> 400<212> DNA<213> Homo sapien
nnnacgagag actatgtgcc ttataccctt cgcattgtgt ccagtcggcc gagagaacat
60ggtgttgga aaagaaagag cagctacaca ttgaaatgt tggaaacagg gtttggtcag
120ggagggaagg atgctcagcc ctgccagcct gtacttatta acagtagagg cttgtacca
180gagctggagt cagacggcag cactatggag gactattcac aggaggactg gtgaaaccac
240agtcaggatc tccatggcta tccaacagat caagaattgg atgaaatacc tggcacaag
300agaacattag caataaaca agagtcttct gatgaagcac agagaagaga catcatgcag
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400

<210> 2211<211> 398<212> DNA<213> Homo sapien

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60cctgtgtttc agtattaggg acactttagt acttcagatc ctgcaaatac ttttgagat
120gaagtatgta tgcattgtac taagttaaac ttgaaacag aacctcattc agttattata
180atggattttt gcaaactact gcaaatagca aatcaatgcc aatgttaaac aaagaggaaa
240acgctgtgtg gactttgttc tcttgaccg gtatttcagg aacatctgct tgccatcccc
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360caggaaaaac attggattca gcttagactg aagaaaaa

398

<210> 2212<211> 399<212> DNA<213> Homo sapien

cgctgctgct gcgaaaccgc ttgagcatcc tcctgtgaaa aggaatgaag aggctcaagt
60gcatgacaag cttaactctg gaatggtttc caacatggaa ggcacagcag ggggagagag
120accttctgtg gtaaacgggg actctggaaa gtcagggtgt gtgggtgatc cccgtgagcc
180attaagctgc ctgcaggagg gctctggctg ccaccaaca acagagagct ttgagaaaag
240cgtgagagag gatgcctcac ctctgcccca tgtctgttgc tgcaaacaa agtctctcat
300cctccagcgt ggccttcac atgaagacgg cagccagcac atcggcctcc tgcactctg
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399

<210> 2213<211> 398<212> DNA<213> Homo sapien

ggcacgagat tttaaatagt atatttccag ggaatggtt tcctgttcct cgaattccag
60ctgaggccaa tccttttagca gatcatgtct ctgctactcg aatcttgtgt ggagcccttg
120cttttctac tattgtaca atagttgta aattgatgtt cagtagtgtt aactctaatt
180tacaaggac aatcttgggt ggaattgctt ttgttgccat aaaaggagca tttaaagttt
240acttcaaaac gcagcaatat ttacgacagg cacaccgcaa aattctgaat tatccagaac
300aagaagaagc ataaaactga ctcttggtt ttctgcagtt ctctcatcct tatgaatctg
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398

<210> 2214<211> 404<212> DNA<213> Homo sapien

cgttgctgct gaagagccac cagctggaat ctgcatgtta ggtggccttt ctctgcagga
60ggtgacctcc ttggctatgg aggaatccca agaagcaaaa tcattgcacc agccccctgg
120gatttgcaca gacagaacat ctgacccaaa tgtgctacac agtggggagg aaggacacc
180acagtaccta aagggccagc tccccctcct ctctcagtc cagatcgagg gccacccat
240gtccctccct ttgcaacctc ctccgggtcc atgttcccc tcggaccaag gtccaagtcc
300ctggggcctg ctggagtcct ttgtgtgtcc caaggatgaa gccaaagacc cagccccga
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404

<210> 2215<211> 404<212> DNA<213> Homo sapien

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60cagccgcgcc tacaccactg cctgcgtcct caccaccgcc gccgtggtga gcagctgcag
120tgccaccttc tcattatctg ggctggatat gactgggtct tcaggaaact ggggtttggg
180cctccgggag gccagaggg gctggtccc gggatgggtg gaggcgtaca gggattactc
240tggggttcga gttggcgcca agaattgctt tccagtgcag cgagaaggga gtgctgctc
300atgggggggtc agcagttgga attgatcaca ctttttcagg tgtacttcaa tcctgaatta
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404

<210> 2216<211> 401<212> DNA<213> Homo sapien

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60gtcaccggac accggcgcca gagcacagat ttgcctactg gctgggaaga agcatatact
120tttgaagggt caagatacta tataaaccat aatgaaagga aagtgcctg caaacatcca
180gtcacaggac aaccatcaca ggacaattgt attttttag tgaatgaaca gactgttgca
240accatgacat ctgaagaaaa gaaggaacgg ccaataagta tgataaatga agcttctaac
300tataacgtga cttcagatta tgcagtgcac ccaatgagcc ctgtaggcag aacttcacga
360gttcaaaaa aagttcataa ttttgaaag aggtcaaat c

401

<210> 2217<211> 401<212> DNA<213> Homo sapien

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120ttgggtctct tgtaaaactc caatgtcttg atcttagtga caatgcctta gaaattgttt
180gcccagaaat tggctgctctg agagctttac gtcactctcg attagctaata aaccaactgc
240aatccctacc tccagtacct cactgtggac cgaaatcgct tatggatatg gccgcgccat
300ctctgccagc tgcccagcct caatgagctc tccatggctg gaaaccgtct tgcatttttg
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401

<210> 2218<211> 399<212> DNA<213> Homo sapien
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120tcacacattg actcagcaca ccaggtatgt cacaacttgt gcttttgcac ctaataacct
180tttacttgct actggttcaa tggacaaaac agtgaacatc tggcaatttg acctggaaac
240actttgccaa gcaaggagca cagaacatca gctgaagcaa tttaccgaag attggtcaga
300ggaggtatg tcaacatggc tttgtgcaca agatttaaaa gatcttggtg gtattttcaa
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399

<210> 2219<211> 401<212> DNA<213> Homo sapien
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60aactaaagac tcacttggtg catattcaga gacacatagt gatgatgtca ctcaagtacg
120tttccatccc agcaatccca acatggtagt ctgaggttca tctgatggcc tggtaaattg
180atttgatatt aatattgata atgaggagga tgcactgggt acaacctgta actcaatttc
240atcagtaagc tgtattgggt ggtctgggaa aggttataaa cagatttact gcattgacaca
300tgatgaagga ttttattggt gggatcttaa tcatctggac actgatgaac cagttacacg
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401

<210> 2220<211> 404<212> DNA<213> Homo sapien
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60gtgctcacc cagaccgaga ctgggagggc tattggcggc tactctttaa aaagatatct
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300ggagaggtcc catcctataa tgcctttgtc aaagaatcga aacaaaagat gaatgcaagg
360aaaaggaggg ctcaggaaga ggccaaagaa gcagaaatga gcag

404

<210> 2221<211> 404<212> DNA<213> Homo sapien
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60acattaactg gaactgccc tgccttgggg gaatggccag cggtcctgt ggagaacagt
120ttaagtcagc cttttcctgc ttccactata gcacggagga gatcaagggg tcagactgtg
180tagaccagtt ccgggccatg caggaatgca tgcagaaata ccagacctc tatcccgaag
240aggatgagga tgaggaagag gaaagagaga agaagccagc aaaacaagca gaagaacag
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404

<210> 2222<211> 397<212> DNA<213> Homo sapien
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60aggatgacaa atggaaagag aatgaggtc actggaggat tgttaaagag tacagcatgt
120ttgagtgtca cttgaaaggt tccagtggag aagctgaaga agtaggtaaa ggtaagaata
180accaagggac agaagtcctg gagcagggag gagggaatgg gattctttaa aacctcttca
240tcaagaaaact aggaaaaaaa accaaagctg taccatctca gatttcagag aaagggaatt
300tagaaggaag taatataagc aaagaacaac aatattctgt gactgttttt aataataact
360aggaaaaattc ctagtgcagt taactctgaa caaaatt

397

<210> 2223<211> 396<212> DNA<213> Homo sapien
cgttgctgtc gggggagggg gaggagcatt tgttatgtgg ggcagtcaga aggaacatgt
60aaagactcaa aagtgtgtaa tgtttcatgg aagccatcaa caaagcggat gactttcttt

120atatttttttga gacagagtca aactctgttg ctcaggctgg agtgaaaaac atatacctca
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240agtcttatta cagatgcgca ccaccctac ccagttgtgg tcattataga catcacttac
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396

<210> 2224<211> 395<212> DNA<213> Homo sapien

gatcacttga gcctgggagg tcaaggctgc agtgagctgt gattgcatca ctgtactcca
60gcttgggtga cagagcaaga cctgtctca aaaaaaaaaa aaaaaaaaaa ttttttggg
120cccttttttt cttaaaaccc aaaattaaaa aaacccttgg gaagtttggc ccaccccccc
180ccaaaaggcc gggaaaaaaa ggcttttttt ggaaaatttg ggaggctttt ttttttttt
240aaccctttaa aaccgggaaa aaaaaagtta acaacaaaaa ttggtttttt ttttttttc
300cggttccggg gggggggggg aagttttccc nccctcctgc tgcgtagncc aacactctac
360ttcctttgca cccttaaacc acaacttgag cgtcg

395

<210> 2225<211> 392<212> DNA<213> Homo sapien

acctcctggt aaggagctac taccaaatac taaagctact ttttcttact cgttcgtagt
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120agtttgggca cattagagac aaatgtgcta tactttacgg cttagcctgc gccgggttct
180tatttatcgt caactgtgga caaatgatt ttgtttcatg agacaaaagg ggaccaccaa
240cttctacggt aatgtctgcc ttttgctaga tagactgtct attacataac catatgtagt
300ttatttttaa ggagaattac atatttttct tcacatgtca ctgtagaag taaatcccaa
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392

<210> 2226<211> 397<212> DNA<213> Homo sapien

ggcanaagct cagtatgtct ctttcaactc tagtttttga ggcggggaca caggaggtcc
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120aaagtgtcga aacacaccag agggggcagg caccagccag ggtatgatgg ctactaccct
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397

<210> 2227<211> 392<212> DNA<213> Homo sapien

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120agttaaacaat ttgatgataa gctacagttt ttcttcaaaa gtaaatattt tatttatgag
180ctgatagttg gcttttgaat ccattatttc atgctttttt ttaaaaaaaa aaaatatcat
240aataaactttt tgaagaggca tttgggtccg atataaattc ttttactttt attcactggt
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392

<210> 2228<211> 395<212> DNA<213> Homo sapien

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120ggtttttttt cctccataaa tcaaaaatta ctttatgtaa accaaaaatt agttggtatt
180tatggctcatg atcttaattc tcaagtttag cttaatcttg tatttcattg tttgtcttct
240aatatgacag cttaaattca gatttttaag tgactcagca aaataggagg agtgtcccaa
300tttattagtg ttgtacatat tgaagaaaac cttttgttc cttcagattt agaaagaaac
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395

<210> 2229<211> 393<212> DNA<213> Homo sapien

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120tcatgaattg ttttaaatgc ttcttaaaagt ctggctttat aaccgttttaaatcaactat
180gatgatttta gataaccaag taggtattat aatacaaaac aattttaagt gtaagaaact

240atagtataat caaagtaaat tcagttattg tatttgtggt gttgccttgc cttgcatgat
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360aaaaaagcat gtattgtgcc accggaagac aag
393
<210> 2230<211> 159<212> DNA<213> Homo sapien
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120gtccagccac atttgggttaa tcagtgttg atataattg
159
<210> 2231<211> 394<212> DNA<213> Homo sapien
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120acccttgctt ttctcttgcct ccagggtgcc ctttcttgg gcctgggggt gttgttctcc
180ttggtcagca ttcccttggc catctatgac tgggctgct catcgagtag tgacgaaggg
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360tacttaaaat ggaataactt tttggatgca aaac
394
<210> 2232<211> 395<212> DNA<213> Homo sapien
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120ttttctttta aggggaccca tctgtgataa aaatatagct tagtgctaaa atcagtgtaa
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240taagagaaaa ataggctcag ttagaaaagg actccctggc caggcgagc gacttacgcc
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395
<210> 2233<211> 393<212> DNA<213> Homo sapien
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393
<210> 2234<211> 391<212> DNA<213> Homo sapien
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120ggagactaca gagagagaga atccagaagc tgaaactgta tctgtactcc tcaacacatg
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391
<210> 2235<211> 396<212> DNA<213> Homo sapien
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396
<210> 2236<211> 392<212> DNA<213> Homo sapien
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180gtttcctgtt gtgatgttg accctgtagta ggacatggtg atttgttaat ttccatggga
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392

<210> 2237<211> 395<212> DNA<213> Homo sapien

ttgataaaaa gtcaaagatt agcaaagata tatgtctatg caataacaca tatatgaagc
60acagaagcaa aagctggact cagaacaaaa atagcaagtt gagccttaaa cacactgagt
120ttgccttggg agtagaatgt ccaggcagag aagtccatca ggcaattgaa aatgtgaatc
180tgcaacttgt aaaaaatgta ttattcagcc tgggctgtca tacaatagac cacagactgg
240ttggccttaaa caacaaaaat gtatttctaa ccattctgaa ggctagaagt ccaagatcag
300gatgtcagca tggttgggct ctattgaggg ctctcttctt ggccatata tggccacctt
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395

<210> 2238<211> 394<212> DNA<213> Homo sapien

cggtgctgtc ggcaggctgt gatcggtatc ctacagcctt accctcgtgt cctggatctt
60ttccttccat ttctgtgta cagccttttt ggggacactg ccgttacctt actctagcta
120gcatagctct gtctgtaggt gtcacataaa ggtgatagga ctgaccacac cgtcaccttt
180cccggaaacc caagaggag cggtccacag agggagcgtg tagtgggggg aactgtttta
240taaatattc cgtttattga aagggtcaca aggacaaaga ggcaacagca agagtcaggc
300acagaaataa aggacgcaga agtagaagt cgccttggac ctggaggact cttccagagt
360gtttatcact tgggtgacct gtaggagggc tgcg

394

<210> 2239<211> 396<212> DNA<213> Homo sapien

ggcacgagga ttgtcccagg acctgaaggg agcatggatg gcctcagggc ctggtgaagt
60ctgctactct gtccttactg ctgaacatcc tgcttgatc aggaactca gaagcagttt
120gccttgctca atcaatctc aatggccatt gtccacataa ctgatcccc atggctgcct
180ctcctattat ctattatcac tgaaacttag tagcctgctt tttttttttt ttttttaaaa
240cctatgggaa atttcccttg ttgggaacct tggccccggg ttgggttttc ctttcctttg
300gaaaattaaa acccaaaagc cttttttttt tgggtgaatt accggagggc cttgccctaa
360ggggctgccc tgccccttg gggaataca aaaaaa

396

<210> 2240<211> 391<212> DNA<213> Homo sapien

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60aaataagcag tgacatttct tagaattctc agctttcaaa tctacatgct gtgatcctgt
120ctgcctacca tctggacagt tttgttttac tcttgggttc ccccatggag taaaagtctc
180aaatcatcta cacttgtttc tcttatctc aggtgatcca cccgcctcag cctcccagag
240ggctgagatt acaagtgtga gccactgcgc ccagcctaca gaggactatt gagcatccaa
300tgactatgct aggtatgcag gtatagtact aagtaacagg agttcctaata cctaagaggt
360tctccatcta gcagaagaaa accaaacact t

391

<210> 2241<211> 392<212> DNA<213> Homo sapien

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60gagagaagat gatgtataaa gctatacatt gtgttcaaaa tatgaaacca gaggagtatg
120ctcataagat tttggaatta cagatgcaca gtataatgga aaagaaaatg aagaccaaga
180gaaatattgc caagcattac aagaataacc catcactaat aactttcctt tgcaaaaact
240gcagtgtgct agcctgttct ggggaagata tccatgtaat tgagaaaatg catcacgtct
300atatgacccc agaattcaag gaactttaca ttgtaagaga aaacaaagca ctggcgaaga
360agtgtgcccga ctatcacata aatggtgaaa tg

392

<210> 2242<211> 391<212> DNA<213> Homo sapien

cggtgctgtc gagaggttta accttggaat aaaagaaaga atcagcaaat acattatctg
60agcctacata cactttgtaa aaagtatact tccactgttc agaattagat gatggcacia
120aacctgttga ggtcttcatt catccttaca aatgtttatt atgctgagtg tcccaggtga

180ctggatacag tggagtgaat tagaaatttg aaattattgc cctgagggga cctacattct
240tcttggttga gtgcgtctgt gtgggataag gtagacaaat aatataggaa attcaaaaaa
300ttgtttcaga ccatagtaag ttctatgcca gaaatgaata gtccatatga taagaggaac
360agacattgtg agatgttgga tctataggaa a

391

<210> 2243<211> 396<212> DNA<213> Homo sapien

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60ccgtagggat aggaatgtca gcaactactg aattatggcc ttctctctct gtgtctggac
120ctcttgccag cttatgggtc cgtttctctt tggataacag gatacagctg gtggcaaaat
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240agaaaccatt tttgcaggaa accacaagcc tgtgttaaac accaaaagag aattgaaata
300acatgtccat gagttctctt ttctagaggt accaaccatc atgtgggagc ctaagtatag
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396

<210> 2244<211> 392<212> DNA<213> Homo sapien

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120ccagtgaccg ccaccttcac accgtctgcc ctggccacca tcctgggctt gggggctgcc
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240gcccaccctg ctccaccac tggggccccc cagttattga taccctctg tgctgggctc
300cacgctaggc agaaggagga gtggcattgg cactctgacc cagctctgcc ctcaagggtg
360ggatggatgg gcaaaggaga gtctgctg gn

392

<210> 2245<211> 397<212> DNA<213> Homo sapien

cggtgtgtc ggttttcac caattctac tcgtagcagt acattagaaa ctacaaagag
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120gtcagaaaca ggagctaate atatttcacc tttcctaagc cagcatcctt ttcctcttca
180ctctctcatct catagaacct gtttaaatec aggtaccat cactctgctt taactcctgc
240accccatatta ctagccgat catctagtca aactccatta cctaccatta acactcatcc
300tctgactagt ggtccacacc atgctgttca tcacctcat ttacttccca ctgtgttacc
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397

<210> 2246<211> 396<212> DNA<213> Homo sapien

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120gggtgctcct gctttggccc agccacctt tcctgggtgt ccaagctagg aggtgtggc
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240ggttccagtt aggcgatggg atcctgcagt ggtctgggtg catttcttgg aaccagattt
300acctgaggag ctctgtcctg ctccctgtgg agggctccag atagctcaga aatgaccagc
360caatggcctt ttgtttgggg gcctgagggtc aagaga

396

<210> 2247<211> 395<212> DNA<213> Homo sapien

cggtgtgtc ggggcgtaag cacatctctt ttctggactg gccgactcct ttctggctcc
60atcctctctt gagccttctc tgtccagctt aaagaaatcc ttgcagaaaa ctggctcagga
120tctgggtatg ggtgggaagg agcaaggaga ttgctctggg attggcagtc ctgttctcta
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240cctccatgag gagctgcatg tggattgaga gctgtttang gtaggcaaaa atgctgtcaa
300gattctctta cccttgtgct ctactctgg acagccctga ggttggctgc ctgccttctt
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395

<210> 2248<211> 391<212> DNA<213> Homo sapien

ggcagcagcc tgaagccagt agacagtga gaggctcgtt ggacgaacc ggcgctgttg
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120attcactact gcagagccac cgtgtgctgg gaactaaagg gaaacatggt ggtccttgtg
180cacgacagt gagatgcgga ggatgaggag aatgacatcc tgctgaatgg cctcagtcac
240cagagccatc tgatactgag ggctgagggc ctggccactg gcttctgcag ggatgtgcac

300gggcagctga ggatcctgtg gaggagacca tcgcagcccg cagtccaccg ggatcagagc
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391

<210> 2249<211> 395<212> DNA<213> Homo sapien

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 120aggcagaact tgatgaccgc ggagccccgg agcctgagct tgttcacaaa gaagccggcc
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 240ctcacatcac cccacactgc aggagggcgg ctctttcctc tcggccacac ctagagcctg
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395

<210> 2250<211> 397<212> DNA<213> Homo sapien

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 120ccaggggcctg tgaactcggg gctgttctctg cgccatgttc ctggatggct gcgcccactt
 180ttgcgccccat tggcttggct ggtgctccgg gcaccaagag ggggtgccc aacacccctg
 240tattgtgctc tacaagaggg catcgagccc ctgagtgtga gatattttgc caactggcat
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397

<210> 2251<211> 392<212> DNA<213> Homo sapien

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 120tatataaaag gtgaaaggaa gcatgtttac accaatgcca aaaagcacat gctaatttct
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 240cgcatagtta acaaacacat aaagtcttcg gaaatcttag atttggtctc ttttgcacc
 300cttaaatgta agaattgtgc agaagaaaat acaagggtac tctattcctt atatggagtt
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392

<210> 2252<211> 396<212> DNA<213> Homo sapien

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 120ttggaaaagt ccgattgctc tgggttatac gaggggccac ttctctgctt tgggtgccat
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 240caccatcaca tttttgcctc tgggtgacag tgaaaggaa ctactccatg tgcattcct
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396

<210> 2253<211> 393<212> DNA<213> Homo sapien

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 120ccttggagat gctctttact ggtgagccca tttctgccc ggaggccctg ctccacgggc
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 300tgccccagga cctggggacg gcttactacc tcacctccca ggccatgggt gacaacctgg
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393

<210> 2254<211> 388<212> DNA<213> Homo sapien

ggcacgagga tctttatgca tttccacta ctcccttact gtcttttagc attcacagaa
 60aaagccaact tgcttaaaga ggaatcactt aaaaggtagg catatctaag atgctcatag
 120aagagggaaga atgggacatg gccccatgct tatttttgtt tacaacgtaa catggcatga
 180gagaggggcag agaaactaag ttgctgggga aagtttagag aactgaaagt ttgggaatag
 240gctgaccaca tattatgcca gtgaccagta tgacaggaga tggggccctg ctgccaagtca
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388

<210> 2255<211> 387<212> DNA<213> Homo sapien
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60agctgcaaaa gaaggaaatc gcagagaacg tgtttgtgca gaacatttga ggaagtacaa
120tgaggcccta caaattaatg acacaattcg aatgatagat gcgtatactc atcttgaaac
180tttctataat gaagagaaag ataagaagt tgcagtcata gaagatgata gtgatgaggg
240tggtgatgat gaggattgtg atggtgatga agaagtagat gatttactca accctttgaa
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387

<210> 2256<211> 385<212> DNA<213> Homo sapien
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120gaaatgtcac attactcct tcagagattt ctgtagaag agccaatccc tgaatgccac
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240cggtccagc tgttctagct ctcttcagt tctttgaacc tcccacctt agggctata
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385

<210> 2257<211> 388<212> DNA<213> Homo sapien
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60gttgacctaa tgcacagcag gaaagcatt tcatgtgta agaagtttcc atatgaagg
120ccacgcagac ctgagcatgt agaaaggcaa gggccaggg aagttactag aactactgact
180ctggggttat attgcctggg ttgaaatcta atcttggtcg ctactgggtg atgctacca
240aggtgtctgt accttcattt cccacctgt agaaataggg ataggatagt ggaaggat
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388

<210> 2258<211> 389<212> DNA<213> Homo sapien
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60ggcagtgggc agagccagag agtgtttctt gaagcctgtg acagatttga agggcctgtt
120tcataatct ataaactgaa gagctacatt gtttaaagaa tttatttgg aaataaattt
180accctgagat gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt
240atgcatatat aaataccacg gccaaagagga ccatcccttc ctttatctga gaaaggaagt
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389

<210> 2259<211> 385<212> DNA<213> Homo sapien
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120gaattccagt ttatccacat cctcatcaac agttgttttg tctgtctttt ttattatatt
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240acgacccac ttctcattgc gtacgtcat tacctccccg cggcctttct tcataactg
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385

<210> 2260<211> 390<212> DNA<213> Homo sapien
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120acaagcatat cttaggcaga atgatttga cattgaagaa gaggaggagg aggaggaaga
180ggaggaagaa aaatctgagg ttatcaatga cgagcaagcc ctgcagggga gcctggtagc
240aggggcccga agcacagtag agacggacct gtttaagagg cagcaggcga tgccctccac
300aggaggaatg cccccacgc cgcaagccgc gcagctcgct ggacagaggc agagtacga
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390

<210> 2261<211> 386<212> DNA<213> Homo sapien

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60atatagcttt ttaagtctgt gggctaaaaga tagatgtact catttgagac ttagtgattt
120gttttataag tatgttgaat aagttgagcc agtttgaatt gtgtccttct cttttaaaaga
180aaagatttcc caaatttaaa cctggattta gatgtttttt gggtaaccc tactgaactt
240tccaaaattt tcaggcttct gggcctaact caaactgtaa tttcatgagg cgggccaagt
300gatttttaat ctcatttaaa agttaccata agctctactt gaaccatttg ggttttagta
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386

<210> 2262<211> 389<212> DNA<213> Homo sapien

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120tcataatctat tagggaaaga aaaatgatca cagtctgcta agagtcttga ttttctttgt
180aatgcctcac atagtatgat aatcagtctc caaagcatca catgataatt acaatgatac
240cattaacatg tcaaggaaat tatattattt atgggtgtca aaaattatga agtagtgtat
300gattataagc agatatggca aatttgttca gtaaattccat agatgactac attttgagaa
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389

<210> 2263<211> 388<212> DNA<213> Homo sapien

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120tgtgtaaaatt gtatgtgaat acaaacattt tatataaggg acttgagtat ctgtggatct
180tgatggggta ggggggtgtcc tgaaccaat ccccttgga tactgagga tgactatata
240cttaagccac cagacatctt gcatatcata gacaattgtt tgggggtccat gagctttaat
300tacaaaatgt aatgctggga gaacatagag aagagtgtat ttgttttta aatgtacact
360tgaatctgta gaaatatact acatttgn

388

<210> 2264<211> 386<212> DNA<213> Homo sapien

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60ttgacactcg ttcagagaga tgtttgggga atttatagac acttaacatt tatgcatcct
120tatatatcgg gggcgggagg aattacagac acttaaacca ttactgcctt ctctctcaaa
180agaataacag ctttggtaac tggggttagca gaggtgttag tggacttagg gttgtaaac
240gatactcatg gcaactgacat cgatgagtct atgagggaaa ttagaaagat aaatacatct
300gggatgtaaa ctcggaagg cgaggctgtt caaatgttg gtgctattga attgtgattc
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386

<210> 2265<211> 389<212> DNA<213> Homo sapien

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60ccagggttg ggcctatgtg ttcattggtg gaaggcaaaa tgtgtcaggg tctggtaccc
120agtttaattac ttaaagctga taaactaggc tgggtgcagt ggctcatgtc tgaatgcca
180gcagtttggg aggccaaagac aggtggatca cgaggtcagg agttcgatac ctctctgacc
240aacatggtga aacccggtt ctactaaaaa taaaacatt agctgggcat ggtggcacgc
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389

<210> 2266<211> 389<212> DNA<213> Homo sapien

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120atttttatat ccatttggat gcagaggcaa tatccccatt ttacagcaga gggagatacg
180atttagttgc aactacatac agttagcaag aggtagagcc aagactggaa tcttcagttg
240ctagcttcag aatctgtgct ctttgtgtgc aaatcattt ctaagcaaga acaaggattc
300tagattgtcc tcactcttac tacagagtca taccagactc ggggcaagac ccaaaggctg
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389

<210> 2267<211> 390<212> DNA<213> Homo sapien

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120tttgtaatta tgatactgat tttaatgccg cacatttgca tactatatgc ttgttacagt
180gatccccaca gtaactcatg aagcagccac tcattgtaca aatgaacgtc tccatataat
240agtttagcta ttatacagta catggcagaa acacaattca aactcaagtt tatacgaata
300ctttcaagtc tccttacctg agagcagaaa gtgacattta aatttaaagg agttcccagc
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390

<210> 2268<211> 390<212> DNA<213> Homo sapien

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120tataaagttt ataacgtatt aatgatctca ttacccaaaa ccagaacata atttcacaag
180ggttcctact tctgtattgt ttattatctt caaaaattta aataacatgt tctgctggtt
240attggctcttg ttatccactg tattagcacc ttccctgatg tgctttggag gttgatcaat
300gaatttctga gactttctgc tgggaattact ttaaggggtgt cttattagat gatgaaaagt
360tggtgagac acccttcaag tgaccatgtn

390

<210> 2269<211> 387<212> DNA<213> Homo sapien

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120aaatccaggc ccgtgaccag tgacttgatc agggctggcg atatatctag gtaggccaac
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240tagaaacagc aacagacatg aaatggcagt tgtattgctg tcttatcatg aggtgagggc
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387

<210> 2270<211> 385<212> DNA<213> Homo sapien

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120agagcccaga gagctgggtg tagctcacac ccgttccctg ggcattgtgtg ttctgtcctc
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240gacgtgtgct cggaggtggc cgtgtttcac agtggggatg ggggtaggga ggtccccaat
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385

<210> 2271<211> 386<212> DNA<213> Homo sapien

ggcacgagga aggcagttat atggnntttt actttttcat caattccata ccacgggag
60taactaaatg aacatactt caaagaaaga agtcaaatta aatgactgtc attgcccatt
120aataaaaaaca acaatctgag cttaacaaaa aatttaacaa acagggaaga cagaagatg
180gtatatattt tgcttgacta cactggcata actcatttta acaaaaatta tcacatttaa
240taataataacc tgttatagct aaatattaaa cacatattaa ttagggccaa ctttgaagga
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386

<210> 2272<211> 388<212> DNA<213> Homo sapien

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120gacaaaagga gcaggaagtc aatcacttcg atcccagttc tctgaagccc aagaagaaaa
180cggattttcc ttcgttttgg ttccggaggcc tagtagagaa ttgggattcc accaagttct
240cttttttcaa aaaaagtaaa cgggtccagag cagacaaaaa ctgtggaaac ttgaggcctg
300ggtagtagtg gttttgtttg attttgaggc tttaaagaga taaggagacg gtggtggagc
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388

<210> 2273<211> 390<212> DNA<213> Homo sapien

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120caccagcaag tattccatac ctacttgatg ttgctggctt ggtgtcttat ttcctaaagt
180gaagcatctt tttttaaaaa agaatttgat tgacaatata tccagtcctaa tataagtatg

240aaggattctc tctcctgaga ttgtagcagg cagccaaaca ttttcaaag atgcccgaag
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390

<210> 2274<211> 389<212> DNA<213> Homo sapien

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120ccacgtgggc ttctctttcg tccgctcagg cctcactttt ctccgtaaac accccggcac
180gatggagcgg cccacagcgtt cgggagcggc cggggagcgg aaagcggcag tgtcctggga
240gcctcgaaag ccgcaggggc ggcagctcgc ctcggaatga cctctgacgg aagaaataaa
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389

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120ctggacttcc ttgggaaaaa agcctattg gcctttccca aaaaactttt ttttcaaag
180gaccggcttg tgggaaaaaa gcccccttg gggctttttg gggggggtta aaccacggg
240agaccggga acctcatttc ttggccccg tttttatttt tttgtaagct tttgaaaaac
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389

<210> 2276<211> 390<212> DNA<213> Homo sapien

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390

<210> 2277<211> 386<212> DNA<213> Homo sapien

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60cagaggcccg acaatgccaa gcccaccgg gacctgaaac tgcaggctgg ctccgacctc
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240gccagctcc gccaggctgc ggggggagct ctgcagggtg tccacagccg gcagcttaga
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386

<210> 2278<211> 385<212> DNA<213> Homo sapien

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385

<210> 2279<211> 390<212> DNA<213> Homo sapien

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240cccaggccct gcgtgttgcg gtgagaggag ctttctgtgt tctgtggtt gctgtctggg
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390

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386

<210> 2281<211> 390<212> DNA<213> Homo sapien

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390

<210> 2282<211> 390<212> DNA<213> Homo sapien

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390

<210> 2283<211> 385<212> DNA<213> Homo sapien

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120cccagcagac cctgaggaat gtgccaccga tagtgtttgt tcaagacaag ggaaatgcag
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385

<210> 2284<211> 386<212> DNA<213> Homo sapien

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120tcagctggc cgagagcact ggtggcaaga ggctgctgat ccccgttgtg cctggtgtgg
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386

<210> 2285<211> 385<212> DNA<213> Homo sapien

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120ttggaatata catatggaag aagagcaaaa gggcacaaca caccaaaaga tatcgctcac
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385

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388
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386
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180taatcgtagc tgcaaagtca gacctgcatg aagttaaaca agaatacagt atttcaccta
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385
<210> 2290<211> 387<212> DNA<213> Homo sapien
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120ggacatcatg gagccagtaa catacttcat cacttatgga agtgccatgg caatgtatgc
180atattttgta atgacacgcc tggaaatagt ttatccacaa gccagagaca gacaatactt
240actatttttc cataaaggag ccaaaaagtc acgttttgac ctagagaaat acaatcaact
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387
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384
<210> 2292<211> 381<212> DNA<213> Homo sapien
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381

<210> 2293<211> 383<212> DNA<213> Homo sapien

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383

<210> 2294<211> 384<212> DNA<213> Homo sapien

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384

<210> 2295<211> 384<212> DNA<213> Homo sapien

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384

<210> 2296<211> 384<212> DNA<213> Homo sapien

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240caagaacaca ctccacaccc ctcttcgctg ctgcggtgtg aagcttcagc ctaaccaat
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384

<210> 2297<211> 379<212> DNA<213> Homo sapien

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120ggctcgaatc tgtggcacc tgagcaatta cttaaattgt ggagcctagt tcctcatctg
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379

<210> 2298<211> 384<212> DNA<213> Homo sapien

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120tctatgcttt ttttttttt ttgaaaagga atttttcttt ttttcccca gctggaaggg

180aatggcctta atttttttta acaaaaactt cgccttgggg gggttaaagaa ttttcaaatt
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384

<210> 2299<211> 384<212> DNA<213> Homo sapien

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384

<210> 2300<211> 384<212> DNA<213> Homo sapien

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120actgtggaat caataagcca tggcatctaa gaaatttgct gttaaaagac ggggtttggc
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384

<210> 2301<211> 384<212> DNA<213> Homo sapien

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180acgggatttag aaaggacatt tggccgctgg aattcttcag tgagaattca gtgattaagc
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300ctggagtaga aaatttaact ttccaaaaca ctgagttgtt ttcagcccag cattagaggt
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384

<210> 2302<211> 380<212> DNA<213> Homo sapien

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120accttttttac tttattctac ctgctatttc tttggccacc ggaataataa gcctgatgta
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380

<210> 2303<211> 380<212> DNA<213> Homo sapien

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380

<210> 2304<211> 383<212> DNA<213> Homo sapien

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383

<210> 2305<211> 379<212> DNA<213> Homo sapien

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240ggaaagcctt cacgtcagaa cccaacccta taccttttac ttcttaaatg gtgctaacca
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379

<210> 2306<211> 154<212> DNA<213> Homo sapien

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120gcaaggaagc cttctcccat tatcccaat gaaa

154

<210> 2307<211> 384<212> DNA<213> Homo sapien

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120cctgagcaac aagagcgaaa caaaaacaaa caaacaacaa aaaaaaacc acccaaatcc
180tttttttaat gtagtaggggt ttatatagat atactaatat aattgcattt ggagaattag
240agtatgtatg gagccacac atactgtgat ataaagtgt tatacagata ttggatatt
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384

<210> 2308<211> 384<212> DNA<213> Homo sapien

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120cctgagcaac aagagcgaaa caaaaacaaa caaacaacaa aaaaaaacc acccaaatcc
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240agtatgtatg gagccacac atactgtgat ataaagtgt tatacagata ttggatatt
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384

<210> 2309<211> 379<212> DNA<213> Homo sapien

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379

<210> 2310<211> 380<212> DNA<213> Homo sapien

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240aatggccgat tagctttgtt aaatgtagca actcaggag ttcatttat ggacttgcaa
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380

<210> 2311<211> 380<212> DNA<213> Homo sapien

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120cacggccgcg gcggcacact gtgggtggtg gggaaatggc ccgagcccg ccacccctc
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380

<210> 2312<211> 378<212> DNA<213> Homo sapien

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240cagtgaagta gtggagtcca tttatgtagt tatgtgttct acctttttta attgtagtaa
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378

<210> 2313<211> 152<212> DNA<213> Homo sapien

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120agcataagag gggaatgtgc tctcagcatt tg

152

<210> 2314<211> 377<212> DNA<213> Homo sapien

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377

<210> 2315<211> 377<212> DNA<213> Homo sapien

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377

<210> 2316<211> 153<212> DNA<213> Homo sapien

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153

<210> 2317<211> 376<212> DNA<213> Homo sapien

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120gcacagaaat cagagcctca ttcccttagt agtgaagcat tgatgaggag agcagtgctt
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240attactgaat atactaaggc tgtttatacc ttaacttctc ttaccgaca atatacaagt
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376

<210> 2318<211> 378<212> DNA<213> Homo sapien

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378

<210> 2319<211> 373<212> DNA<213> Homo sapien

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373

<210> 2320<211> 377<212> DNA<213> Homo sapien

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120ccactccttt ccagctgtc accttctga gagtagaggt ctgagatgtc cagggtgtag
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377

<210> 2321<211> 377<212> DNA<213> Homo sapien

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120tccgtcttga agagaaaaaa aaagggtggg gggctggtt ggaatcataa acataaatat
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377

<210> 2322<211> 373<212> DNA<213> Homo sapien

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373

<210> 2323<211> 375<212> DNA<213> Homo sapien

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375

<210> 2324<211> 377<212> DNA<213> Homo sapien

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377

<210> 2325<211> 377<212> DNA<213> Homo sapien

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ttaatcg 377

<210> 2326<211> 368<212> DNA<213> Homo sapien

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120gacattgggt tgactggaat tatcttcttg ttaggtctta ggaatctcct tccaggtaac
180tttttctatg attagacaat tgatttggtc agggtcacag agcaaagtcc acatttaatt
240ccacatggcc aataaaagtg aggggttaca aggtgagatc caggggccag agttatcaaa
300gtgatacagc acttttagga ataggacagg gaatggagga attggaattc cagtattact
360ttcaaaag

368

<210> 2327<211> 372<212> DNA<213> Homo sapien

cgttgctgtc ggattgccaa agagtgaaga tgtggctgag tgattgatga tggctctgaac
60tgggtattca gggaagagaa ctagaagcca accatgtaga atctatgcag gtgctcttaa
120gacattgggt tgactggaat tatcttcttg ttaggtctta ggaatctcct tccaggtaac
180tttttctatg attagacaat tgatttggtc agggtcacag agcaaagtcc acatttaatt
240ccacatggcc aataaaagtg aggggttaca aggtgagatc caggggccag agttatcaaa
300gtgatacagc acttttagga ataggacagg gaatggagga attggaattc cagtattact
360ttcaaaagca gt

372

<210> 2328<211> 150<212> DNA<213> Homo sapien

gaatttaaca cannggata ccgaacttcc attctttagt cattccaggc ggatctgagt
60tttatattcg aacttttaac acagcttttg agttttgagt gacttgaatt tttaatcttt
120nttttaatac gtagcttaaa tgaacatatg

150

<210> 2329<211> 368<212> DNA<213> Homo sapien

ggcacgaggt ccagggtaca gttcctttag aggttccctca ggtgaaacca aagagaactg
60atgatggcaa gggattaggg atgcagttaa aggggccctt ggggcctgga ggaagggggc
120ccatctttga gctgaaatct gtggctgctg gctgcctgtg gttgctgggc aaagacaacc
180caagccggg tccttcaagg gattctcaga aacccacttc cccactgcag tcagcaggag
240accatttga agaagaacta gatctgttgc ttaatttaga tgcacctata aaagagggag
300ataacatctt accagatcag acgtctcagg acctgaaatc caaggaagat ggggaggtgg
360tccaagag

368

<210> 2330<211> 372<212> DNA<213> Homo sapien

cgttgctgtc gcttattatt gctattaata ttagtttttag ctgccataa taaattgagt
60tactgttgat agcaatgtca atgtcaata taatacttga aagttttat ctcaacacat
120ttctttcctg aacctcagag ctgtatgtcc aactgcctgc ttacttcagt atctccactt
180gaagatctta aattcatatc cgtttgctta aacctgaact catcgtcctc ctccaactgc
240tctaccaca gctttcccca tctcagttga aggcagcgcc atctoccact cctatcgctc
300aggacagaaa ccctcaggtt gtccctggct ctttctctca gctctgcctc ctaaatatgt
360ccatcatcca cn

372

<210> 2331<211> 367<212> DNA<213> Homo sapien

aattccgttg ctgtcggttg cagggccttg gatgtcaggc caccctgtgt ggggtccctg
60ttggcagcca ggtccctaca caaacaagta atcctgtttg gcctcctagg ttttgcatat
120gacctgcagc ctaatttggg gtgtagggga agctctgctg gcccttgctc ctttgtatgt

180tgggtgactt taatggctgg ccacataccc ttttctccca gctactcatt cactgacttg
240ggtaagtctt aagacagttc gcacttagaa aagaatgtga cacatcaaca ttaacttttc
300ctgaaaagaa gagtttgctt aacatggtcc taaagaagct tggaatttat aagactttcc
360tttataa

367

<210> 2332<211> 367<212> DNA<213> Homo sapien

aattccgttg ctgtcggact tggcaccctc tgtgccctgg ggcccctgcc cagctggctg
60ggccacctcc gtgtctgggt tcatcggcag tccccaagac ggtgctccag gcccctagac
120agggagtgcg atcccacggc agtgggcagt cctgtcccgc gagcccggcc ctgacttga
180gtggtgctga cctctaactg tggacgccat gctccatcct cctggtgggt ggcgccgggg
240cggggggggc ggccatgctg ggcagccac acaagccact gtcacctgct gtcgccacct
300ggccgaccct ggttgattgg ggaatgctgt cagccccgca gcccctgtgg ccatagctgg
360ggcccg

367

<210> 2333<211> 364<212> DNA<213> Homo sapien

cgatgctgtc gatctttctg tgttttttta tactctttta gggttggctt tttacaaacc
60atgactttcc acttgcctgt agttttttgt ttgcttttgt ttggtttgat tttatatatt
120tttctcctaa tctatgactt tattgttttt tcttaggtta gtaatagcat ctttgatcct
180gtgcttagca tgttagggtc attatacctc aggaatagca agctgttaag taaccatact
240gaattaacta ttttaattaca gtgagctcat ctcttaaaaa ttgttcaggt gtaaatctta
300tgagaaacat gaaaaagcac actgatttat ggagagttga gctaaaaaca tttataaata
360tttg

364

<210> 2334<211> 366<212> DNA<213> Homo sapien

aattccgttg ctgtcggcat cttttatgta cacttgtcta ttcagacaag atcctcatga
60tttcagaaaa aatatagaga gggctcctaga ctgcttaata gaggaaagaa gtatcctgga
120aagcttgcta agaacgttct agagccacaa catgattgta ggccaagggc ttgtttttgt
180gaccttgatc taagataatg ccatggttga ttgtatgttg gaagaatctt tgattggaat
240ttggagtaat attaaggtag tttgtctttt ctgcagacat ttttaggagt ctttttgtgt
300gagtgggtgg ggagtgtata gttttgttga acctagttaa attctgaata tcttccact
360aaaagc

366

<210> 2335<211> 364<212> DNA<213> Homo sapien

ggcacgagac ccgggaggca gagcttgctg tgagccaaga tcaagtcact gcactccagc
60ctgggcgaca gagtgagact ccattcaca aaaacatgac ctggacaggg ctgaaccgga
120aaaaaattcc ggggggcttt tcaaaaaaga tctttagggg gaaaaaatt ttttaacca
180agacccaaac ctaaaacccc caaaagggaa aaccggacaa acttggcccc tggttttttg
240gggaaaaaca accttccggt taaaaacca aatggggggc ggggggtttt ctgcccggaa
300ccccaccat ttgggggggc aggggcaacc ccccctttgg gcctaggagt gggaaacccc
360ccgg

364

<210> 2336<211> 147<212> DNA<213> Homo sapien

cgcgtgctac gttcccatat ccaaatttgg aagaaaccac aaggctgcct ctgactgagg
60ccacaaatgg gcacatagtt taccttact ttttgaaaac catattaaga ttgagtcagc
120actccatag actgcttgat gaccacn

147

<210> 2337<211> 359<212> DNA<213> Homo sapien

actactgctg cgagaatacc acagaagggt ttcgcggcaa gaatatacgg aaggggaggg
60gctagatgca agcagagcac atccccgtt taaagcacta tgggtggctt acagtgcgt
120tagaaaaaag agaaattctt tttatacaat ataagttcct gcagaatgca gacatttct
180acttctccag gctcttttca actcctctcc tactagcttc tgtatttaag ccacattaga
240cctttcttca gttttttata tagactttgt tgcacacac ctcagagatt ctgtgcatgt
300cttctctcct gcctagaaag gatcgtccct ccactttcac caactaatcc cttctcacg

359

<210> 2338<211> 144<212> DNA<213> Homo sapien

tcattttgat aactagcttt ccaggtggac ttagccatag gaaaatatta ctaatgtaat

60ttaacaaatt gctgcatgta tttcatttaa aaatatgctt aaaatgtcct aaaacaaata
120attatctccc taagaggatg catt

144

<210> 2339<211> 342<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggacc ccctaccccc tctaagggtc tcaccaattg
60ttctttagcc agagactcct tctaccacgc tcgccagcca cctttgtgca gtggagggtg
120agaatgcccc aaggatgcac gtaatggacc agcctttcca gcatttggct ttggctccca
180gaaattttga gctttggcaa atcttacaag ctctgtgagc ctctgtttcc ccatgttctc
240atattcagag gtgctgggct ggactccac tgccagtcc ctgagctgtg cagggactcc
300tgctctgcat ggtttgtttt ggtgctcatg ggaccataag tg

342

<210> 2340<211> 188<212> DNA<213> Homo sapien

cccaggtag cgccagcgcc aagatactgg agagcaagtg tccagcccca gcagccacc
60cgcccttcac accaccaccg aggacagtgc aggggtgcac actgagttct aggccagtgg
120gtccctgact gctgcacatg gcacaggccg ttccttccg gacccaggca ggctcagctc
180tgggggagg

188

<210> 2341<211> 460<212> DNA<213> Homo sapien

acaggggcat tggaannnnc ctcttgctct tttgtgacga tcccatcgat tctaattccg
60ttgctgtcga aatgacttat tttatatggg atgatacaca taggttattt gcaaatacta
120cactatttta tatgagagac ttgagcattc gcagatttcg gtatccacgg gaggtcctgg
180aaccaatccc ctatggatac caagggactg ctatgtatta caaagccaca tgctttggaa
240ttacttcagt ggtccttcta ttttcattaa cactgatatc tagtttaata tgaaaaggaa
300cttgaaatct tgaaaattag aacatcgta ttttttcta cttgcaatgg aaatctatt
360ttgctttttt gcttctagga aaatattctg attatgatat gtgatatgtt ggctactcaa
420agtcagaact tttcaaagta atcagtaaat tgaatcaaca

460

<210> 2342<211> 465<212> DNA<213> Homo sapien

ggtcttcgta ntttcgnnnn atcccatcga ttcgtctgca gtaaagtatt ttcacttctt
60ttcttcttct caatcttctc aatcacctgc cctagaatc tgagtggctc taacctagac
120ctcttgctgg ccgagattta tacaatgtgg ttgtttttcc ttatcttgac taatcttccc
180gaatcttaca ttgtgcctta atttgacat ctgcacctct aatgtctgcc tatattatct
240ccttggtcga caaggacctt gtgggagagc tgctcacatc tcaacatgta aataaaatgt
300gcctttgggt caacacagga gaggtgattc caacyttaac aagttgggtc aggaaactgt
360cagctgttta tttttatttc aatctcttct gttaaactat aacacactga ttgagcaact
420aaacactaat atgcagagag gaaaaaaca caaaaaatat attgg

465

<210> 2343<211> 466<212> DNA<213> Homo sapien

gcctacgtag nccccgnan gttnnnatag attcccagtc cgttgttgct gcaacattca
60gggcttcac gaagagtttc ttcagatctt cagctccttg ctgcaggaga ggaggtcct
120ccgggactat tatgcactct tccccgaggc cgaagacatc agcttgctgc agcaggcctc
180atcagtcttg gacgagacgc ggactgccta catcctccag gcagtcgaga gtgcatggga
240aggggtgcac agacggaaaag ccacagatgc taaagaccca tcggtgattg aggagtctaa
300tggggagcct aacgggggtca cggtgacagc agaggcagtc agtcaagcat catcacatcc
360ggagaactcg gaggaagagg agtgcattgg agcagccgag gctgtgggac ctgccatgtg
420tgngtgga ctggactctc tcatctccca agtgaaggac ctgctg

466

<210> 2344<211> 453<212> DNA<213> Homo sapien

cgttgctgtc gccagggtac ttctccgttg atgtgaataa tgtggtactc attttaaatg
60gaagagaaaa agcaaagatc ttttatgcca ccagtggtt actttatgca caaaatttag
120tgcaaattca aaaactccag catcttgctg ttgttttgct cggaaatgaa cattgtgata
180atgagtggat aaaccattc ctcaaaagaa atggaggctt cgtggagctg cttttcataa
240tatatgacag cccctggatt aatgacgtgg atgtttttca gtggccttta tgagtagcaa
300catacaggaa ttttctgtg gtggaggcaa gttggtcaat gctgcatgat gagaggccat
360atttatgtaa tttcttagga acganttatg gaaaatcatc cagacaggca ctaatgaaca
420tttttgaaaa agattggaaa cgatagcggt gtt

453

<210> 2345<211> 423<212> DNA<213> Homo sapien

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60ataagaacat tacaggggtg gtttttcttg catgggtggc cacctaattgt ttaaggagtt
120ctgggtacctc ttcctattct ttattctatt cgattccatt tctgtgattc ttttattacc
180actgatgttt tgcgatagtt aactatgata aatttaactg atcatgattt atcttctaga
240gtattttaaat aatgtatgag tgaccaccca attccaacat taaaagtgt atctgggccc
300ataatttata gtgaaattgt atcaaaacat agggaaactg tattactggc cattttgaaa
360atatgaaact tgagtattga aaatattcca acatggaatg gcagtattct aatttcagtt
420agt

423

<210> 2346<211> 425<212> DNA<213> Homo sapien

ggcacgagag aaactggtgc tagattttat ggatattcaga ataggaagtt atttgttctg
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120ttaatatgtt agactgttca tatagatata ttgtgtttac aacaaggaaa aaatgccacc
180atgtgctcag aacttttttg acaggatatt tgagaagagt tgcggaacat tctggtaatt
240ttagagatc tgttggcatc tctgcttcac aaactggaaa aaatcatttg taagtcttgc
300taattacttt tcttggagaa gaaaaaaat gctacagctg caacaaatgt atagttttca
360aaaagaaaaca acttttttgc tccccagtt attcttagtt tccagccac gccttgcat
420agcgg

425

<210> 2347<211> 429<212> DNA<213> Homo sapien

nnnatcgga cgagattttg cgtgaattat ggggtgaaga ccttgccac ttaggttttc
60tatctctgtc cttgatcttc tttgcaaaa tgtgagtata cagaaatttt ctgtatatt
120caacttaaga cttttttagc atctgtatag ttgtattca atttgagacc tttctatgg
180gaagctcagt aatttttatt aaaagattgc cattgctatt catgtaaac atggaaaaa
240aattgtgtag tgaagccaac agtggactta ggatgggatt gaatgttcag tatagtgatc
300tcacttagga gaatttgcag gagaaagtga tagttttattg ttttttctc gcccatattc
360agntttgttc tacttctcc ctttcttcc agatgataac atcacatctc tacagtaagt
420gcctctgcc

429

<210> 2348<211> 425<212> DNA<213> Homo sapien

cggtgctgtc gcagctgtgt tcaactacca ggtacctgca gaaggcctac aggttgccag
60gcacttcttt aatgtgttct ttctttatgt gattatttga ttaatctctg cctccccac
120tagactgtaa gctccctgaa ggcaagaatc ctgtgcttat gctcaatatt agctctccct
180tggcacagag taggcactca acaaatgtc cccaaaaggc tgagtggctg actgaattaa
240gtaccagtga catgcagtaa ctgctaagat agatgagcca tctgtatgct ctgacagtta
300cagactgaat aagttggaga ctccctaaa ggggtggcatt tccccagggg aacaacgcaa
360agctcangtg tgggaagggt ccaggggcag ggggtgcaaag gggctgaggc tgaggggggt
420gcaaa

425

<210> 2349<211> 423<212> DNA<213> Homo sapien

ggcacgagga ttaaaatcat acaaatggtg gctgttctga gaatcagtct gggatttgat
60tgcccttttc agtgactggc tccaggccat gtctaataac cagctcgatt cctgtgagc
120ttcagagagc aagtgaaccc aaccaacaat gtcgtcatct aagccctgac cctagccagg
180gactcccatg ctgctgttgg ctccatctct ccacactgcc tctttctttt caactttttg
240cccttctctt ctttaaagct attctacat tgcttttatt tcttctctct tcacctcaa
300ccactgtcag cagcactctg gagttttcaa atgtcacatt agcctcacc tgcatgctag
360gagatggacc tgtctctata cagcagtaga tgattgataa gtgaggaaac tgaggcttac
420aga

423

<210> 2350<211> 425<212> DNA<213> Homo sapien

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120tagtcgtggc cggaggagtc tcagagctgt cagaaagaat aagactgatt ttatgggaaa
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240caagatgatt tatggtaata agatataaaa ccaaggaaaa taacctaaag tctgaaaaag
 300accagaatcg aagtttctcg attcatatct taatgttttg aaatttatac tccaggctgg
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 420gaagn

425

<210> 2351<211> 429<212> DNA<213> Homo sapien

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 240caggagatgc cccttgcca agagtggcca ctgctgaagc ttgggggtgaa ttacctccg
 300tccatcttca tcgctgggt caattttgtg ctgccggccc gggcgaagct cattgcttca
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 420tccttcgg

429

<210> 2352<211> 428<212> DNA<213> Homo sapien

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 180ggagtgatg tcaactgccga gtctgttctc acatggaacc atgtgtgttg ggttgccagc
 240ctcacagata caatcaatcc tattccctc tgacataagg aactcctctg gaggggcaga
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 360tttttctt agctatttat atatgcagta ctctcagtca tatgcagaaa tactttttt
 420tttttaag

428

<210> 2353<211> 432<212> DNA<213> Homo sapien

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432

<210> 2354<211> 437<212> DNA<213> Homo sapien

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 120aaagagctgc aggtgcact cactgctgat gagaagtaca aacgggagaa tgcgtccaag
 180ttacgggcag tggaacagag ggtggcttcc tatgaggagt tcaggggtat tgccttgca
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437

<210> 2355<211> 431<212> DNA<213> Homo sapien

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 120ctgaagctac atgggaagtg tgatgacgtc atgcggctcc tcatggccga gctgggcttg
 180gagatccccg cctatagcag gtggcaggat cccattttct cactggcgac tccccctgct
 240gctggtgaag aaggcagcca cagtcggaag tcgctgtgca gaagcaaaga ggaggccccg
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 420gtgcacttt t

431

<210> 2356<211> 427<212> DNA<213> Homo sapien

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120aagtcaccc ttaataagacg agatcacgga agtggccttg gagtacaaca actgtcatgg
180ggaccaggtg gtggagcgtc tccttcagca cctgcggcgg gtggatgctc cagtgtgga
240gtccctggcc ctggaagtgc cggcacagct gccagaccg ccaacgatca cagcgtcccc
300ctgctgcaac actgtggtgc tgccccagtg gcactccttc tccaggaccc acaacgtctg
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420gtgcacg

427

<210> 2357<211> 427<212> DNA<213> Homo sapien

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120ccctcaagg tttttgcttt tctcctgtgc acctggcgag gctgaaggcg aggggtggag
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240tacgcgtgtg tacgcgctg tgtacacatg cgtggccgcc tgtggtgtgc acgtgtgtc
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427

<210> 2358<211> 439<212> DNA<213> Homo sapien

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120ttgggggctg gaggaattcc aagaaggttg cagtggagga ccccgcaagg ggaccgccct
180ctggggaaa atggagcacg caggggccag acaccagggt gtgtagggca ggggtgtggg
240actcaccgg ggccccctgt tcctggggca actggccac cagccctgcc aggtcagggg
300gtttcctgag tgtgcaaagc ttctctctcc ttccttgcc attcttcct ttaacagtg
360ttntagttat ttactcaaca agcatttatt gccgggcgag atggctcatg catgtaatcc
420cagcactttg ggagggcga

439

<210> 2359<211> 429<212> DNA<213> Homo sapien

acctacttgn nngnttgga ggatctcacc gatatacaatt cggcacgagg gatgctccat
60ccaaagtga ttatgcctac agacctgga cctggatttt tgcccagat gattcctacc
120acctactac tgacgaagac accatttcca gtggaccact gtgaccagg aggcattcag
180ccatcatgat gtggccttta cctccactcc tgtctgttc taccagatt cagcacagcc
240ctttatagt aagacagagt cctcaagcca aatagctaaa gctgttttat cacaacaaag
300gcctagtttg ttccatgagt gtgcatttca tttcttcagt taaagcctc agagacacac
360aataaatttg gaccagggga ttttttagtt attaatgtc tctgaagaaa ggcaacatct
420ttttgagag

429

<210> 2360<211> 424<212> DNA<213> Homo sapien

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120gaagacgatc gtgggcctcc acatcgtatt ctggtttcat aaatcaaacc aggagcaggt
180gcagcccggga gggccccccc gtggggagaa gcggctgggg ggtccctgca tcttgactg
240cggccccctc aacaagtcgg tggatgtcct ggcaggactg ctcctgagaa ggatggagct
300gaagccccct cgtgtgtaca gtgagcaggc tgaggccagc gagttcccag tgccgcgtgt
360gggcagcagg aagctgtca ggaagagccc ccgggagggg aggccgaacc agagcctcag
420gagg

424

<210> 2361<211> 415<212> DNA<213> Homo sapien

ggcacgagct ggggggaggc ctatagcaca gaggtctgt cctttgaggg tgactgaacc
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120ctgacctcaa gtgatccacc cacttcggcc tcccaaagt ctgggattac aggcgtgaac
180cacctcgccc tgcaggaggt gattttaatt atgaaccatg attaaggaag gcaatgacca
240cttatgattg ggggtataac gtgtattct tctaatact gtgccttggc tcttgctac
300ttggatcaga gagcagagag aatccttcat aaagaacaag gaaaaacagg tgaagttatt

360aaattaactg atgtaaagga cttctcctta cccctgtggc ttatatttat catct

415

<210> 2362<211> 413<212> DNA<213> Homo sapien

ggcacgaggt tagaattaaa gcttatattt ctaatcaacc catttacagt atttcactta
60gcctatacct tatttttagca tgagagcata atcttacact ttcattgctaa aataaggat
120aggctaaggg aaatactgta aatgggttgg ttagaattaa agttragaac tctaaatctt
180atgcttattt ttaaagaaaa aagttgcctc actgtcatga aatcctgtta ctttcattaa
240aaaaaaaaat cttgtaaaat ggttaaattg gataatgtaa gacataatga aggccttgag
300gcatttcata ctttaccagt ttacatttgg ctaacatact ggtaaggatt agggttctct
360ccactatttg aaaattaaat gctaaacgtc ctaagaatta cgttgatttc aan

413

<210> 2363<211> 422<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gagagagagt tagagataga gagagagaga gagagagaga
60gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga
120gagagagaga gagagagaga gagagagaga gtgagagtgt gagagacaga gagagattga
180gagcgcccc cccctcttct tctccccctt ctttgttttt ttttttttcc cctctctctc
240tctctctctc tctctctctt ttcttttttc tctctcctga ggggtggccc cctctctctc
300cttctctctc tctcgcgcg cgcctccttt tttttgtgg ctttctttgt tgggcccctc
360tctctctctc cttctctcct ctctcaccct tctcgtgtg tgttcgctcc ctctctcccc

420cc

422

<210> 2364<211> 414<212> DNA<213> Homo sapien

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60acatctttac aattctgatg cttttttaaa aaaactaaac tttaattttt ccatttaaaa
120tttaaaagaaa tgggaaattg cctacggagc atattgcttt tcagatcata ggtatctttt
180ccaataactt tattgtaaat ttaaggagg tttcgttggc ccttagagcc ataccttcac
240tgacatctca tccgtttgtg ttccaaaag ctgcttttac aggtcttagc cgccgccccg
300gaggccggtg tggcggtgac ctgcatgct ccaccctgcy gctacgggag aagtcttagt
360aacttggatc tggagtcttg aaaaacacaa acctacaaa tgcattcttc ttg

414

<210> 2365<211> 405<212> DNA<213> Homo sapien

cggtgctgtc gcaggcacac aggtcccggg gcatcaggag aaaggctggg tcttgggacc
60ttgtcctccc cagttggcct actgttacac attaaaacga tttgccagc tcanaaaaaa
120aaaaaaaaaa aaccttcggg ggcggttttt ttcgtaaaaa caaaactgaa aaaaaccctt
180ggggagttgg gacaaccccc cctgaaaagg gggggaaaaa aaggcttttt ttggaaaatt
240ggggagcttt ttgttttttt tgaaaccctt aaaaccgga aaaaaaagt aaaaaacaa
300aatggccttt tttttatttt taaggttcag gggggggggg ggggaatgtt nnnnncnc
360ccnccnccann nnnntnccca acaaaaaatn ccaaaaaaaa acccc

405

<210> 2366<211> 406<212> DNA<213> Homo sapien

ggcacgagca cagtcagtgt taaagatgtg tatgtatatt actatacata taaattgcac
60agcggagtat acatgtcaaa tcatattaat caaaatttat ctagccttcc tttaaacaat
120ttatcctata atatggatat taggcctctt tttctactta gctccagttt aactacgtct
180aggctgatgg tataaaaaatc acatgaaatg cgcaatggc tatttcttat tagaaacctt
240aaatggacat ataccaaatt atgagaatta taaatgtagc acaaaggata ggggtgagtc
300taaatctatt ctgtaaagat gaaagctctt attttctaaa tctattctat aaagatgaac
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406

<210> 2367<211> 406<212> DNA<213> Homo sapien

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60gcactgagtt tccatagaac ttcaaaacaa ttggttgatt tcacttaaaa aaaaaaagtc
120attcaatata cagaaaatta ctcccctggt cagtactgtt agcccaaat aatctgaaaa
180aatttggtct taaaaaaaaa aacaatttgg aggccaggca tgggggttca tgccgtgaat
240cccagcacat tgagaggtca agttgtgggc atcacttgag ccaggagtt tgagaccagc
300ctggacaaca tggggaaacc ctatttctac aaaaaatac aaaatttacc cgggcatggg
360ggcgcatgcc tgaagcccca gctactcggg aggctgaggc ggaagt

406

<210> 2368<211> 407<212> DNA<213> Homo sapien
nncccnanaa ttcttggtat tctgctgctg tgaatagggt tacttattct tttacatat
60attgtgtgac tacgcaagta taggtcctgt tgtattgcat taatctttac cagtaactaa
120acatcacaag gttaatattg gtttggtga aagaattatg cagtaaagtt atttataagg
180gaacatgatg actttattca atatttttct tctttgaaac atctcattac taacttttaa
240gattattttca taatccctta tacatgagcc aatgaaatat tttgagctct acttaagaag
300catgaagtct atattataaa tctaaacaac aaaagcactt gtaacttggt tagtaaatc
360catgccttat tttccatttt tgacaccgca nagtgcattt tctgtcg

407

<210> 2369<211> 407<212> DNA<213> Homo sapien
ggcagcagat ttcttggtat tctgctgctg ggaatagggt tacttattct tttacatat
60attgtgtgac tacgcaagta taggtcctgt tgtattgcat taatctttac cagtaactaa
120acatcacaag gttaatattg gtttggtga aagaattatg cagtaaagtt atttataagg
180gaacatgatg actttattca atatttttct tctttgaaac atctcattac taacttttaa
240gattattttca taatccctta tacatgagcc aatgaaatat tttgagctct acttaagaag
300catgaagtct atattataaa tctaaacaac aaaagcactt gtaacttggt tagtaaatc
360catgccttat tttccatttt tgacaccgta aagtgcattt tctgtcg

407

<210> 2370<211> 407<212> DNA<213> Homo sapien
ggcagcagac aattccgggg taaattaatt tcttagaaat gtttcagaga ataatacttt
60ctgcctcaaa agtatgcatt tattatgtat caaataaaa tttaaattta gagaacattg
120aagaaatatg agatcagaga aatcaaagat tattattaaa ttacatttct tttggtatct
180cctgagattt ctcatgtatg cttacttgtt attcattcat ttattcatca aatacaatat
240ttatctaaaa cctgctatga ccaagactgg gtgaggaact ggagacatag ctattaaaaa
300aaatagtatt tatatttata aatgatgaaa caaaaagaaa aaatagaagg tgaatcggta
360ggtaaaaaga gacaatagac taccagccaa tctcaatgtg tgaaccn

407

<210> 2371<211> 422<212> DNA<213> Homo sapien
nnnnnnnctt taatcccagc actttgggag gctgttgctg atggatcgcc tgaggttggg
60agttcgagac cagcctggcc agcatggtga aacctgtct ctactaaaaa tacaataatt
120agccaggtgt ggtggcgac acctgtatgc ccagctactc gggaggctga ggcaggagaa
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240ctgggtggac agagcaagac tccgtctcaa agaaaacaaa aaaaaattaa aagggataga
300atataatgaa atataatttg aacttaaat atattctata tgtgtatctt cctaggcaaa
360agctgtaatt tccagagaga ccattaggaa caggtagcat ctatttttct ccattattta
420tt

422

<210> 2372<211> 168<212> DNA<213> Homo sapien
taaaggactt aaacacctat gcgcgatgat aaagagggtg ctattatagc gcttgaaaaa
60taccaggaag ttgagagagt taacagaagg gcgcacgctg gattggccac aaaatcgaat
120tactgaggcc actactgatt aggacactta tggagaacgt gggtagca

168

<210> 2373<211> 410<212> DNA<213> Homo sapien
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60tttaaattggt ccaatagaga actgtgcata caattacata ggcaaccaca aatcaacctt
120ttctctgggc tatctaaaat aatcaggtac tagacaaaaa atgacatgc tgtctgcctt
180accttttagt gatgatttgt aggaagagga aggtaggggc tggtagtgg aaaagtatga
240gaggttgtga gggaatgttc tgtatgtctg aagacaaagt ctggagattg gtgggcagga
300aggtgtgaat ctactctgaa ggacaggcaa gagtccagcc cagggaaaaa ggtgcagatg
360ggtaggattt ggggtgggtac ttgaattaaa aaatgaatt tgcgaggcat

410

<210> 2374<211> 422<212> DNA<213> Homo sapien
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60ctggaagaaa gggggaaaag ggagcagaga aggcaaccaa caacagctat tatagatgca
120gatttttggag gcagaccgcc tgggatttaa aactttgctc tactactttc gagccatgtg

180atcaagctaa tgaaacttta aaaaccttac tttctttaat aagtaaaaaa tgaaaaataa
240tacctgctct tgagattgct aagattaatg aaagaacgta tgagtctgtc aaatgtcctg
300gtccacagaa gggactcaat gactgtgttc cctttgttct tgctaggatg tgcattaggt
360tacagtgtag ccacttgata gcatctgaag ggatcattac cttgctatat ccaacaaatg
420tg

422

<210> 2375<211> 406<212> DNA<213> Homo sapien

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120attcaaacag agccttttct gtcctgtaga taatctacat gttttagtaa ttattttgaa
180tatgtttgag gaaaatgttt aaaatctaaa tatactcaca taacttgatt attcactcct
240ctgaaaagat gctggatagg ctaccaaaagt tcccaagtgg tagataattc agaagacttg
300tttgaatttg gatttttttt ttttttgagg gggggaaggg tataaggggg gctaaaaatt
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406

<210> 2376<211> 420<212> DNA<213> Homo sapien

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60acttttcaaa agcattagtt aaagaattct gattagtttg aattagaaac aaaactcaaa
120gaacatgacc taatttaaca ggtaatttg aagtgcattc gccaaagtaga agaccagcaa
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240ttgccacaa ggaggaaact atacgacctg ctgcctttct tagggcctta ttattcaccg
300ataacctgtt tccttgctac tttgcttttg tgtaagcaga gttctttctg taggtttttt
360caaatgaaaa cattgcacga atatcaaaga gagcagtgtt tgcgttagtg attataaact
420

<210> 2377<211> 420<212> DNA<213> Homo sapien

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60ttgataagca gaactacta ctggccagag cgacaggagt ggctaggggt tgccagccag
120tcccttttctg atgatcaagg cctgcacag caggatgcca caggatgccc ctgccatcta
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240agaaagtggg gctgcagggt gacgataaga ccacctaacc aactccccac ctccaccacc
300acaataagaa caaaactgta gggctctaaa gagaggggtt ggtttacaag ttatttgagc
360atttactagg aaytgacatg gcgatgacct ctglacatga gttaggttca ctttcatgtg
420

<210> 2378<211> 411<212> DNA<213> Homo sapien

cccaggcact gtactaattt ctgaggattc ttttgtgac tcaaacagat atataagcct
60tgctcttatg gagcttatag tctagaaaac tggatgagag tctacatact ttccattgct
120tttttagttt tggaagaaag ctctgcagggt gaggagaagg acgtacgtgt gtatggtatg
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240tttttggcac cgaaagtgtg atgaactata ctttttaaga attgctagct ttgtttttct
300cttataatct aaagggaat atgtccactt gaactgaaac aactaagcac aatatataga
360acttttactt cccactcttt tgtacttagg tcagngatgt tgcaatatct n

411

<210> 2379<211> 409<212> DNA<213> Homo sapien

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60ttttctgctg tgccagccca caccacccca ctgtccttac ctogagtga tattacattt
120gagtcatttg ctgggcccga acctagtctt ctgggtataa ttttaggata attgtttaag
180tggaactat tcattcagta agtagtaagt acttattgtt tgcttgtttc attatgaaag
240agtggcacat gtcattaaa gatttggaat aatgaaagtc aaaacaacaa aatcaccctg
300agtcccaacc ttctgtaaca taaccactct tggcattggc gtgttccttt ctagtctctc
360tgtaaacggg gtgtgtgagt gtgtgggttt aactntggtt ggctcatg

409

<210> 2380<211> 411<212> DNA<213> Homo sapien

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120gtgtgtgacc ctttaccctt tacattgtgt aatttgaaag tggcaacaaa acctgcagta
180aaagtccctg attggcatct tcattcggat gatggagagc ctttgtggta gtgtttgctt

240atgtgaacag caggcctttc agataagaga agtggccttt ccttggtgat gaaggggtag
300agattgagcc atggggatgg tttagggtta agaattgcttt tttttggcca tcatgaggat
360ctaacaacag agtagaagga aggatgccct aggtcagcat gcaggggtggt g

411

<210> 2381<211> 417<212> DNA<213> Homo sapien

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60cccatgaaaa ctttaataat ggtagatata taaaacatga gttaattacc cccaaaatgt
120ttcagttttt tcattgttat attgcaaaaa accattcttg ctatatatat ttttaaaaga
180agccatttgc atgtccttta gtggtagaat agaaatttgg ttaaaattgg atgacattta
240ctttaattat cttcaaagta tgatgaattt ttcattgttg gaattgttgg tctgataatt
300tttttaggaaa caacactcca ctgagagcgc tagaatctta gaattcatct acttcattct
360cctcctggta ctctactttc ttctacaacg tcccagccga gctgaggtct gagctgt

417

<210> 2382<211> 410<212> DNA<213> Homo sapien

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120aggtgacctc agcttgggct gcggtgcagg ccatgggact ggcaggagcc ggctgggggt
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240tgctataaag ggctgggtgg ctttcttccc cacagctact cagcctaatt ccattgcaga
300gcacatgtag ccatggacaa cacaaggggc gtatccgtgt tccaggacag ccatattgac
360aggaataggc acgaggccag atttggtcct caggctgtaa tttcttggcc

410

<210> 2383<211> 414<212> DNA<213> Homo sapien

cgttgctgtc gtccaatcca ttatctagtt ttctgttctt atcttacttg tctgcccctg
60gactgttct tcacagttgt actcgtcctt ttttgcttc aaattacatt ttctcatct
120ggtagctgagc tccctgttaa ctttctttac tcttggtttt agcatttcca tttccttgaa
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240atttccaaac ttttacttta actaagaatt gcaggcctca gcattaatgc tacctgaagc
300tttctctaat cctcatttaa attagttctg ttacaaactt tcaagttgcc atattcttct
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414

<210> 2384<211> 416<212> DNA<213> Homo sapien

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60cccttaggaa cctacatga tcatcctcgt ttcttaaaaga ggaagcagag ccagcaaca
120agtgggggag ccacagttcc agcccagggtg tctactgggccc ctgctgccc cagccagctc
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240ccgggaccta caggacttcc tggggtttac cctcagagca cccatgaggt tagaatcaca
300aagcccggga gtcaggagac acagggcagc tggagggagg tctttactga ggtagctgag
360gcacagcagc cccgtctaga ggctccccg agaggcactt cctgaggagt ctgggtg

416

<210> 2385<211> 405<212> DNA<213> Homo sapien

ggcagcagat attcctttgt gagaaaagt ttgatcttta gcctagaatg atgcgtaaaa
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240aagatgagtg cttttatgcc catagtcttg tggaaactgaa agtctggata atgcaaaatg
300aaacaggtat ctacatgat gctattgtc aagagtctaa acgatattgg cagaatttgg
360aagcaaatgt acctggagcg caggtagctg gtaatcaaat aatgg

405

<210> 2386<211> 416<212> DNA<213> Homo sapien

ggcagcagga gattttcaac acttatgggc aaatggctaa ctggcaactg attcatatgt
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120cagttcgtga ggcagcatta cagggaaaca aaactgaagc tgaaaggcac ctagtgtacg
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240ggaggggagga ggtgctgact gaagaggagc tgaccaccac actaaaggta ctgtgcatgc
300ctgctgagga gttcagagag cttaaagacc aggatggagg gggagatgat aaaaggggaag

360agggcagcct gacgatcaca aatattccca agctcanagc atcgtggaga cagctg

416

<210> 2387<211> 411<212> DNA<213> Homo sapien

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120cggacgcgtc acaacgggaa ggcagacccc atgaagactg cgctgcccca gagagccagc
180agggggccacc ccgtgggcgg cgggggcaca gacactcaga aattggagac cagcagaagg
240cctccatctg gaacttcac tacctccaag agcacctctc caaccctcac gccctcccc
300tcacccaaag ggcacactgc agagtccca gtgtcttcc cgtcatccca tcggcagctc
360aagagcagtg tgggctccag cagtggcacc atcacagatg aggatgaact g

411

<210> 2388<211> 411<212> DNA<213> Homo sapien

ggcacgaggt ttccttctcc tccctcccgg gacaagggtg catatacaat gtcattgttt
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120ttgaggcagg agagggtagt tgtgttccc taggaagagt gtcttccaaa gtgttcttca
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240aattattctt cataggcttt atcatcatgg gattcttctt ttatatactg attacaagac
300tgacacctat caagtatgat gtgaatctga ttctgacagc tgtcactgga agcgtcggg
360gaatgttctt ggtagctgtg tgggtggcgt ttggaatcct ctcgatctgc n

411

<210> 2389<211> 417<212> DNA<213> Homo sapien

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180gggttcattt catttttga ttttggttg tgggaagaaa gggttctctt gccggtgtgt
240gtgtttctga taaacaaaga agtgtggaag tggctgaatg agatgaccca aggactctt
300ctgggaagat gcaggaggaa gtaggtgagc tgagggaag ctggtgggga taggcctggt
360ggggcctggg gagaaggatt tgaaggctca agtcacacgg tgcaggatgg gactcaa

417

<210> 2390<211> 413<212> DNA<213> Homo sapien

cgttgctgtc gggcgagtct ttaaaggagt ggctcatctt tctctccct ggggcatttt
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120gagaggttag ggccctggga aaggtgggag atcagccaga gacaggtttc ccagaacaga
180atgtctggcc tttgtggtga ggagggactg tggatgagc cgcanaagcg ggccaggggt
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300tctccaggta gggctgtgag ctgtgagttg gatcctttt gtgaaatggt ctctctcatc
360tggcctgtca ctcaatgtgg aatagagtga gtgagttcta tgggttctaa gtc

413

<210> 2391<211> 407<212> DNA<213> Homo sapien

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120ccccgttgac tgaccgctac cgcaggcct gccagagcct ggggcaagg gagcaccac
180aggtgctgca ggccgtggag ctccagggtc tgggctctc gttcagcgcc tgctccctgg
240ccctggacca ggcccagctt acaccctgc tgcgggccct caagctgcac acagcactcc
300gggagctgcg cctggcaggg aaccggctgg gggacaagt tgtggctgag ctgggggctg
360ccctgggcac catgcccagc ctggccctcc ttgacctct ctccaat

407

<210> 2392<211> 405<212> DNA<213> Homo sapien

ggcacgaggt tcgaagtaag cagagcaaaa ccgaacgaga agcagagctc aagaaactgc
60aagaagccag agagagaaag cgggtggaag ccaagcaacg ggaagacatc tgggaaggca
120gagaccagtc tacagtttga acatcactca atgaaaggga taattccatg aatcagaaaa
180tgtttccata gccttcagat aagatgatcc ttccagagct ctatgtacat gcagatgtgc
240atgttaaaga gataaagtga tcgagacaag gactgactgg gtatagaagg aagacagact
300cctgtcttca ctccataatg cagttctttg gaatcaccct actgtggtgg gcgtagtagg
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405

<210> 2393<211> 411<212> DNA<213> Homo sapien

ggcacgaggg ttgctgcgcc gtcctccact actggctact ggcgctgcag ccatgcagcc
60ccccccccg ggcccgctgg gcgactgcct gcgggactgg gaggatctac agcaggactt
120ccagaacatc caggagaccc atcggtccta ccgctgaag ctggaggagc tgacaaaact
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240cgccctgaag aaatgcaaac cctccctccc agcagaggcc gggggggccg cacaggagct
300ggagaaccag atgaaagagc gccaaaggct cttctttgac atggaggcct atttgcctaa
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411

<210> 2394<211> 411<212> DNA<213> Homo sapien

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60tccctagtgg agcgagggg aggcagaagt catgacaggc gaggtgggtt ctgaggttca
120cctagaaatc aatgacccaa acgtcatttc acaagaggaa gcagatagtc cttcagatag
180tggacagggc agctatgaaa caattggacc cttgagtga ggagattcag atgaagagat
240atttghtaagt aagaagttga aaaacaggaa ggttctacaa gacagtatt ccgaaacaga
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411

<210> 2395<211> 406<212> DNA<213> Homo sapien

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60tccctagtgg agcgagggg aggcagaagt catgacaggc gaggtgggtt ctgaggttca
120cctagaaatc aatgacccaa acgtcatttc acaagaggaa gcagatagtc cttcagatag
180tggacagggc agctatgaaa caattggacc cttgagtga ggagattcag atgaagagat
240atttghtaagt aagaagttga aaaacaggaa ggttctacaa gacagtatt ccgaaacaga
300ggacacaaat gtctctccag agaaaactac ctatgacagt gccgaggagg aaaataaaga
360gaatttatat gctgggaaaa atacaaaaat caaaaggatt taaaa

406

<210> 2396<211> 415<212> DNA<213> Homo sapien

cacactccac gctgagaaag agtaattagg aggcctgatg aggggcccag gaaaggctgt
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120ccgggtgctt tttaaagctt ttagcctgcc ctacgaagaa caaagcatgt tagattaaag
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240aggattcttt caaggacctg cacagcctcc tgatggagat ccaggctctg cgcttgcaac
300tagaaaggag catcgaaacc agcagcactc tgcatagcag gctcaaggaa caactggcaa
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415

<210> 2397<211> 407<212> DNA<213> Homo sapien

ggcacgagcc gggcccgcc ctggagatgg tccccggcgc cgcgggctgg tgttgtctcg
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120ttcaagtgtc gactcctggg gacattcgat acatcttcac agccacacct gccaaaggact
180ttgggtggtat ctttcacaca aggtatgagc agattcacct tgtccccgct gaacctccag
240aggcctgcgg ggaactcagc aacggtttct tcatccagga ccagattgct ctggtggaga
300gggggggctg ctcttctctc tccaagactc ggggtgtcca ggagcacggc gggcggcg
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407

<210> 2398<211> 409<212> DNA<213> Homo sapien

cgttgtctgc ggtcttgtgg ctgcggcctg cccctcagcc tctccgcgc ggttaccctt
60gtaccgcgg ccatccgtcc tggcgctccg gatgagtcaa tgaggggcag ggcccagga
120gtggtcttcc caagaacccc tgggtggctc ccaaggccgg tgctgtgtac ctctccccg
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240gccgctggtg cagtggctcc tccccctgc cgggtgggc cctcgggtt tcgctgtcc
300tcgggaaaga gactggcggc accctgatct gactccctg aggggctccc actgtccgcg
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409

<210> 2399<211> 410<212> DNA<213> Homo sapien

ggcacgaggc agacatgatg aagtacattg agacagagct aaagaagagg aaagggatcg

60tggacatga ggaacagaaa gttaagccaa agaatgcaga ggactgtctt tatgaacttc
120cagaaaaacat ccgtgtttcc tcagcaaaga agaccgagga gatgctttcc aaccagatgc
180tgagtggcat tcttgaggtg gacctgggca tcgatgctaa aataaaaaat atcattttcca
240cggaggatgc caaggcccggt ctgctggcag agcagcagaa caagaagaaa gacagcgaga
300cctccttcgt gcctaccaac atggctgtga attatgtgca gcacaacaga ttttatcatg
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410

<210> 2400<211> 412<212> DNA<213> Homo sapien

ggcacgaggg gtgttcgttt ctcaggtaaa acatggctaa aagcttacgg agtaagtggg
60aaagaaagat gcgtgtgaa aagagaaaaa agaatgcccc aaaggaggcc agcaggctta
120aaagtattct caaactagac ggtgatgttt taatgaaaga tgttcaagag atagcaactg
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300atggacagta cccaatatgg atgaaccaa ggcaaagaaa aaggctgaag gcaaagcgag
360agaaaaagaaa ggggaaaagc aaagcataag cagtgaaggt ggcaaagggt tt

412

<210> 2401<211> 405<212> DNA<213> Homo sapien

ggcacgagtg gccctggagg cggcgggagg gccgccggag gaaacgctgt cactgtggaa
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120agaccgccgcc ttctcgggtc tgcagaggggt cgggggcgtt gacgtgtcct tcgtgaaagg
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240tcttgtggat ggaaacgggg tactccacca ccgaggtttt ggggtggcct gccaccttgg
300cgtccttaca gacctgccgt gtgttgggggt ggccaagaaa cttctgcagg tggatgggct
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405

<210> 2402<211> 421<212> DNA<213> Homo sapien

ggcacgaggg aaaccaattt actggattgt agctggtaaa gcccttgatt atgaacagat
60gtgttctc atggctaattg tgaaatggga tgtaaaagaa attatgtcac agcacaacat
120atatgtagat gcaactattaa aggaatttga gcagttaac aggaggctaa atgaagtttc
180taagagagtt cgcataccct tgctgtgtc taatatactt tgggaacatt gtatacgatt
240ggctaattcga actattgtag aaggatatgc caatgtcaag aaatgcagta atgaggtcgt
300tgccctgatg caattggatt ttcaacagtt ttaaatgaaa cttgaaaaac taacagatat
360tagaccatt cctgataaag aatttgtaga aacttatatt anagcttatt acctaactga

420g

421

<210> 2403<211> 408<212> DNA<213> Homo sapien

ccatcgattc gaattccgtt gctgtcgaga gaagccatga ataatcaacc agctggtttt
60agagaaggca tcactcgttg aggaaaaggc ttagtttctg gatttgttag tggcataaca
120ggaattgtta caaaaccaat caaaggagct caaaaaggag gagcagctgg tttctttaaa
180ggtgttggga aaggtttagt aggagcggtg gcaaggccaa ctggaggcat catagacatg
240gctagcagta catttcaggg gataaaaaga gctacagaga cttctgaagt ggagagtctg
300cgacctcctc ggttcttcaa tgaagatgga gttatcagac cgtacagggt gagggatggg
360actggaaatc aatgtttaca ggtcatggaa aatggaagat ttgcaaa

408

<210> 2404<211> 411<212> DNA<213> Homo sapien

ggcacgagca tggctttccc tgagccaaag ccgcgccctc cagagctgcc gcagaaacgg
60ttgaagacgc tggactgcgg gcagggggca gtgcgagccg tacgatttaa tgtggatggc
120aattactgcc tgacgtgcgg cagtgcacag acgctgaagc tgtggaaccc gcttcggggg
180acgctgtgc ggacgtacag cggccacggc tacgaggtgc tggatgcggc cggctccttt
240gacaacagta gtctctgctc cggcggcggg gacaaggcgg tggttctgtg ggatgtggca
300tcagggcagg tcgtgcgcaa attccggggc cagcagggga aggtgaacac ggtgcagttt
360aatgaagagg ccacagttat cctgtccggc tctattgatt ccagtatccg c

411

<210> 2405<211> 397<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gagagagaga gagatatgag agagagagag agagagagag
60agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag

120agagagcgcg cgcgcgcgct ctctagagtg tgttttctct ctcccgtca tttacgccc
180cccccgggc gcaccccccc cggggggggg gggccctctc ttttctctgg ggggagtttc
240tgcgcacaca cacgcgagag tctctgtttt ttttttgac gcgctctcgc cctctgtct
300ctctctctt tctctctctc tcgcgcgctt gggagactct ctttgcgcg cccttttctc
360atgtgtctat gtgtttgcgc gctatattat agagctc

397

<210> 2406<211> 402<212> DNA<213> Homo sapien

ggcacgagca ggagttcaag accagcctgg ccaacgtggc aaaaccctgt ctctactaaa
60ggtacaaaaa ttagctgggt gtggtgggtg acacctgtaa tcccagccac ttgggagact
120gaggcaggag aatcacgtga acatgggagg cggaggttgc ggtgagctga gatcacgcca
180ttgtacgcca gcttgggcaa cagagcaaga ctccagctca aaaaaaaaaa gagggggaaa
240tttttgtgaa ggggtttttt ttttttcgaa aaaaatgttt gggggacctt ccgagagctc
300acaaattttg atgaacgtta aaaagcctag tttgaggcgg ggcggggggg ttatgcgcat
360gtccccaccc tttttggagg ccaagggggt gggaaccacc ca

402

<210> 2407<211> 390<212> DNA<213> Homo sapien

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60ggttgacagt agttgggac tcgccactgc actctagcct gagtgacaga gcgagactct
120gtctcaaaaa aaaataaatg aataaaaaat aaaacagcaa ctcttcgaga tttcccgat
180gtattggtcc cagagaacac tgaaaaaat gtcatgttgt taacaccagt gggagtttgg
240gaaataattc cagctcttta atacttcttt cagcttcaga ttaagtgaat tgagtttcac
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390

<210> 2408<211> 392<212> DNA<213> Homo sapien

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60acagacgttt ataaaaacta aatgaaatga ttgggcttaa ccatatgcaa gaaagtctgc
120agaaaaataa tcacctagaa actataaata gaaatgtgct gctgaggctg ggcacgggtg
180ctcacacctg taatcccagc acttgggggg ctaaggagg cgtatcacct gaggtcagga
240gtttgagaca agcctggtca acatggtgaa acgcccgtct tactaacaat aaaaaaaaaa
300ttaccaggt acattggcac atgctttaa tcccagctaa tcaggaggct gaggcacgag
360aattgctcga acccaggcgg cagagcttgc an

392

<210> 2409<211> 385<212> DNA<213> Homo sapien

ccacattcat cccagcctc gctgtacagc tataaagtgg ggagtggcca atcaataaat
60cagaggcacc tgaaaaatga actggggaac cacactgact tccccccct tcttgattaa
120aacaacaac attgcgaaaa gtcaacctgt cactcttttag gaaagtttgc ggcattgaaa
180ggcaattacc caaatgactt tttaaaagta tgaaaatttg cctggctgaa cgttttttac
240ttaatgccgt gagttaacat taataactat tcctagctta gtgagctggg cttgaggggg
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385

<210> 2410<211> 404<212> DNA<213> Homo sapien

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60tggtcacaaa gaaggaatag cagagctgtg aatgagttag tggaggctcag tcacatcaca
120gttcatgacc tagcgattgc tggagaagta atattggaat tttggtacca tgagaagact
180tataaaggat ttcacagaa gttttcattt tttctaaatc ctcccctact caattttcac
240attggaaatt actcttgat ttgtagaaga ttgtctctaa aattgtggtt taactcacgc
300aggaagtaag attcctatag caagacatag tttcatttta gaggacccc aaaatccgt
360gaattctctg gtgatgattc tagcctaacc ttcaacataa aata

404

<210> 2411<211> 403<212> DNA<213> Homo sapien

ggcacgaggt gtgatttttc agaattccca gattttactc attcttgta ttaactcta
60gccagttgac atcttcgcaa tttcaaggac tgatagtgtt gtattttctc acgttttcta
120agttttccgtt ttgcaaggcc taggtgactt tttcatggtg tttgtatgtt tagctctttt
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240ggtgaccaag tctctttctt aaagtcacaa tgactaaagt attagttgaa tttttttttt
300ttttttgagg gagcctcgct ttgtccccag gctggagggc agaaccacaa tcacgggtca
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403

<210> 2412<211> 386<212> DNA<213> Homo sapien

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60tgttttgaga gattacagaa taggaggcct gctccacttg cagataagtt tattataatt
120ctccagaaat gtgcaggatg tgcattagca aattgcactg tacttttcac tccagcctgg
180gggacagagc aagactcccg tctcgggggc ttaaaaaaaa aaaaatgctg ttctctaaagg
240aatctgagta tcttggggcc aaatgtgggt ttgctccaat ttatttaaaa agggcttgtt
300tcaaacgaat agggggcccta taggcaaacg ccttatattt tttaaaacga attttctgga
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386

<210> 2413<211> 404<212> DNA<213> Homo sapien

cgctgctgtc ggactttgca agatttttta aaaataaaaag gaggtatacc acctccttgc
60ttggatctt ttacaaaatg ttatacttta tggatataaa ggtgataaag attggaaata
120aatcttctaa atatgtaaaa tgaaagcaac agcaacagca aacacaatta tcgtattctt
180tgggagtaac aaatactgggt ttctatttta aaactaagga aaattttatc agtacttaaa
240ttcaatccaa aaaagggttt ataacacca aactgtacat ttaaaattat gctttcttaa
300ggtaaatggct agcattacct agttttagt tttcttgagc tgtaactttt tataactgaa
360tcatttcagt gatttagggc tgtctcgtag ttggggaaga gaaa

404

<210> 2414<211> 388<212> DNA<213> Homo sapien

cgttgctgtc gaacatggga agcactgcag tttagtagtc ctgggtcccta agcccttcca
60gcccaggagc cagacctgtg agcaacaag ccttttagtga ttccaggctc tgggtggaac
120cttgagtctt ctacgtttgg ggcatgcacc tcagggggag ccagcatcag tgtccagccc
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240cacgtgatac ctgtcctgcc aaacgtgtcc tgaaccata aaatccagag aaaagaaaat
300cgttttaaac tgctgaggtt tggggtaagt tactatgaag cagtagtgag aagaacagaa
360gggccatgat ggggagaaag tttggccc

388

<210> 2415<211> 389<212> DNA<213> Homo sapien

cgttgctgtc gctaaacgca gataacgtaa gagtaacaag aaactaaatc aaggagcatt
60atatagccta cactgcagag actcaatata ataaagggtg cgattcttcc taattatcag
120atttactgca attccagcca aaatgtttca ggggattttt ttgttcgttg ttattgcttt
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240gcagcacgaa aaatttcgaa tctatttgta gaaactgcat atgatgatgg ttcatactca
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389

<210> 2416<211> 398<212> DNA<213> Homo sapien

ggcacgagag ggaatcccc caactcataa attataaaaa tgacacttcc aagccatcaa
60tgaaggaaagt gtcattcatta aagtggtagt gcaatataac aaagtgttta caaacaacac
120accatccaac atacccccaa atgctccttt ttggttggtta tacagtttga aaaaagccta
180cagtttagcta tcaattcctt acagcaatga agtactaagc taaacaatgc attcagaaat
240ttcttaggcc aaatcctgac agtatacca ctacgagttg gtaaacactg tttttaatcc
300tgctgaagaa gagaaacgag aacaccaagt aaaacttact ataaactaca aatatttcaa
360tatttacact caatatgagt tcgacacagt agtataan

398

<210> 2417<211> 388<212> DNA<213> Homo sapien

ggcacgaggg gcacttgccc atctcttatt tctctacaat aaggaatact tcactcctat
60ttgtaattcc taaaactaga cttaaattta tgtacatatg tattcattca tttctttatt
120ttagtttgtt gatttaagaa tattccacac agttaaaca tgaaagtgt agttatatta
180cagatatgaa tgactaatta ttctgcccc ccacctacat cttttcccc ccagcttaat
240ggagggtttt ttgacaaaca aaaattatat atacttgcac ccagtcataa aaaagaatga
300gatcatgtcc cttgcagggc catggatgga gctggaggcc attatcctta gcagactaac

360acaggaacag aaaaccaaact actgcatg

388

<210> 2418<211> 387<212> DNA<213> Homo sapien

cgttgctgtc ggggtgaact ttttatacta tacttttaca gatagaaatg aaagtactta
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120taaattgaaa ctttaagttag tcttcaggct ttttaagggt ttcaaatttg aactggaatg
180caattcagaa tgtgctagaa taacatttct ccatttctcc agtgtcaaga tgggaaggca
240tacattctaa gcgtctgtat ctccatctat ttttcttttt tttttttttt tttgaaaaaa
300aaattttgtt tttgcacca ggctgggggg gcgggggtta attctggctt cttgaaaaat
360ccggcctcca gggttaaacc ttttcct

387

<210> 2419<211> 385<212> DNA<213> Homo sapien

tcaattcggc acgaggtccc ttgttgccat tctgaatctg aatgctcttg tggctggaca
60actggactca gctaataagg catttctgat gcttttgtgt tcttatgcaa ggatggacct
120tttccagcat tgtaaatgac agcaggaaat actcaatggg ccacaggaaa taattaacat
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240taaacttagt tctaacatat gttgattctg tggattagac gagtttctta gtccctctga
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385

<210> 2420<211> 389<212> DNA<213> Homo sapien

ggcacgagct tgaacttctg accccaaatg atctgcctgc cttggcctcc caaagtgttg
60ggattacagg cgtgagccac tgcgccagc cttgaggtag catacttctt gaaataaaaa
120agtagattat gtccgaagca gttgacctaa aaactgcctt ggactgacat ttgttaggtg
180gtctaagatg ttctcttcac gctttgcaaa aaaatgagct tttttggagt ttaaattaag
240catccctctg gtgtgtttgg ttttttagcc accaaaaatt taacaaattt gataacctgt
300cacgtgtaag ttcagaaagc acttttgtct taattggtga cttgggggtt atttgggtata
360aatataggat ctttttctaa aaattattg

389

<210> 2421<211> 161<212> DNA<213> Homo sapien

gaatgttccg gtcggtcttc agcataagct gaaatatatg catgtaaaaa ctttgacatc
60ttttttttta attttccact ttcttcttaa ctttacttct ctttttgtcc cccccccat
120cttaccaagt tgaggccaag ggagaatggg aggcacacaa c

161

<210> 2422<211> 397<212> DNA<213> Homo sapien

ggcacgagat agggggcctc tgagaagatg gaatggtgaa ggctgcgagt agtttgtgga
60tatatcagtc atatcttggc ataatccaac agcgtactaa tggatcaagg gactattttc
120aaggctgagc aggtttaagg aaaacatcta ggtgaaacat ctaagggcta gctagcaata
180ggagagccat tatcactctt tttttttttt tggcagggga atttcccggg accttttatt
240ggccttttgg gcaaacggaa cgggaccggt aaaaacccca ttggactttc caaaaatggg
300caaagaattt ccctaaaaaa aatcttcttt ccaaggtttt ttaaatgggg ggccccctaa
360aattatacc tttttttaat taaaaagcgt tcacttt

397

<210> 2423<211> 404<212> DNA<213> Homo sapien

cgctgctgtc gcttttaata tggaatccac ctcataacaa ttaagtctaa atttctggaa
60gatggagcca tgcttggttt tccaaaagct ctttgagtga ttctaatttg tagtcagagt
120tgaagaccac tgctctaaat tagtgcagga aaatgctttt atttctccca tgtaacttt
180taaaactagt aatgtacca gtttaagttt gatggtttta attccactaa agaacatatt
240cttctaataa ctagcattta ttacatgaaa ttttaagagt taagttccat caaactagcc
300cttgtgtaag attattattt cttctctata acttcaaaat agatatttca ttcaaactgt
360tcagggtgaga aacataatg gatttttttt ttttctctct ggag

404

<210> 2424<211> 399<212> DNA<213> Homo sapien

ggcacggagg agagagagag agagagagag tgagagagag agagagagag agagagagag
60agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag
120agagagagag agatagagag agagagagag agagagagag agagagacac acctctctct

180ctctccccct ctctgtgtct atatcgcgcg cgcaccccc tgtgtgtgtg tgtgtcttcc
240ccctgcgaca ctctctgtgt gctctctctc tcacacactt ccccccccc cactcttttt
300ttttttttta tacgtgttct ctttctcaat aatatatctt ttgtctgtgt gtctctctct
360ctccagacag cgctctctct cttttttaca caccctccg

399

<210> 2425<211> 389<212> DNA<213> Homo sapien

cggtgctgtc gattttttctc atcagcagga tggggtgatg gagctggcct tactgggtgc
60tggggatgat ataaagaggt ggcgtgtgca tgtctgtgtg tctgtgtgtg ggcgaacatg
120tttggttaagt gataggctct gcacacgtgc acggcaccat catggttccc tccctgcagc
180acttggcacg cagtgggggc tcagagcaca ggccgactga tggcctgggg ttgcagccct
240gctccgtgtg tccctgggca cttgcttact gaccacccca caggtgaaca cgggcaggtg
300gggtgttggg ggtgtgaggc tgaggagggt ctggatcttg cagctcttgc agcctggata
360gttatgggggt ctggaggggg cttttattg

389

<210> 2426<211> 387<212> DNA<213> Homo sapien

cggtgctgtc ggagacctgt aatctcagct actcgggagg ctgaggagg agagaggctt
60gagccaggga gctggagggt gcagtgagcc gagattgcgc cactgcactc cagcctgggc
120gactgagtgg agcggaaactc tgtctccaaa aaaaaaaaa aggggttttt ttaaaataac
180cacttttgggt aagggtaggg gaaggtaagg ggggccccaa aacaactttg tttttttaa
240tataggcggg aagggaaaaa aatggaattt cttgttttt tccccaaaaa gacaaccccc
300caatttggca gggctaaaaa ccattccgcg ctttggaata aaaagaaac ttcaactttg
360ggtttttttt ggaaccaggg aaacccg

387

<210> 2427<211> 385<212> DNA<213> Homo sapien

cggtgctgtc gaaaaaagg gggagttcat tgttgagtat gaatttaaag taaccagact
60gccttttgtc cagtggctgt cagtaattta cttcagcagg ctttttttt ttttgggggt
120ggtccaataa aaacagaacc tttttggaag aaagggcctt ccagggggga ggcacccgga
180aaagggggga acctctttta ggaacccaac caaaaggaa acctggcccg ggaatttacc
240cataagaaaa acggtgaagg ggttttgggt actttttaa cgcacacac acaccacac
300accacacac acacacacat tttttctat actcttaaaa aaccgtagag ttttaacaat
360ccggggggag gggatttaat aatat

385

<210> 2428<211> 387<212> DNA<213> Homo sapien

ggcacgagcc ctttgagatt tctggctttt tgtagggacc tcagttccat tttcccaact
60catgggttct caatacctta actatctttt atttggcaaa ttccaagtcc tcaactcacc
120caccactacc tgacccactg gagtcaccac accacctac ccactttccc agggatgctt
180tatgattagc ttaaatactc accattctga tttgtaatgc cgccccacc ccttttttt
240gacacctggg agtttcttt tctttcttgt aagatcagca ttacacaaac aagcacattt
300ttcttattat actttatcta gaaaaccag gtgtcagtgg cagaagcatt cctgaattta
360ttagatcat tgttttgcgt gaaactgc

387

<210> 2429<211> 388<212> DNA<213> Homo sapien

ggcacgagga aagggtcttc tgttcctcac actcagcttc agcataagct gtgaggccag
60aaaaaagggt agctcttcta gtatcgtgca gtgcttaaaa accgggagct ccagccgggc
120gcagtgggtc atgccagtaa tcccagcact ttcggaggcc gaggtgggag gattgcttga
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240aaccatcctg acccgccagt gctcttggtc tcctgagtgt acccaggtcc tcccagtg
300gggtgtgcacc gagcgcgctt ggctgatgc cctggcctgt gagctgggga ctctgggccc
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388

<210> 2430<211> 390<212> DNA<213> Homo sapien

ggcacgagag atatttatc tcctttattt gggacgcttg tttcttcagc tcagtttaac
60tactgctttg acgtggactg gctcgtaaaa cagtatccac cagagttcag gaagaagcca
120atcctgcttg tgcatggtga taagcgagag gctaaggctc acctccatgc ccaggccaag
180ccttacgaga acatctctct ctgccaggaa aatgatgctg ctgctctatg aagaaggcct
240ccgggttgtc atacacacct ccaacctcat ccatgctgac tggcaccaga aaactcaagg

300aatatggttg agcccccttat acccacgaat tgctgatgga acccacaaat ctggagagtc
360gccaacacat tttaaagctg atctcatcag

390

<210> 2431<211> 395<212> DNA<213> Homo sapien

gaaaaacagt agccctccta ccctgccttt accccacttt ccttgcctca cagtagctcg
60tgccaactct tggctgattt gtttgtattt acctccatgt ctcaatatga acatgttttc
120atgactattc cttgatgggt ttttgtttgc ttgttttaag acggtctcac tcttccccag
180gctgggagtg aatggcacaa tcatggctca ctgcagcctc aaccttctcg ggctcggggtg
240attctccac ctcagcctcc tgagtggcta gaaatgctgg tgcacaccac catgcctage
300tagtttttgt attttttcta gagacagggg tttgccatgt tgcccaagct ggtcttgaac
360tccggggctc aagtgatctg cccgcctcgg cctgg

395

<210> 2432<211> 390<212> DNA<213> Homo sapien

gcagccctgg ccctgcggca cgccttcacc tacaaggtct atgctgacaa gaggctggac
60gcacaaggag ctctgtgct ctaagcaacc aagaggaagc atcgaagggt cagcatcact
120gggtctctgtc gccatctccc ctccacctca taccctgtgc aatagctggt gatgtgcact
180agccctcccc gccaccagaa gccctaagggtgttgaaagca gaacccatt ttttagaca
240ccccctcgcca aaaaacatag tccaggatac actttattct ctgtggaaaa agaaagaatt
300tgactttatt tagaaaggct actgaatata gaagacgata actcgcttgc tgtaagtcag
360gaaataaata gattctagga gccgggcaan

390

<210> 2433<211> 388<212> DNA<213> Homo sapien

cgttgctgtc ggtgtttcat aacattttta taagtttgg aaactttagt cccattatat
60acttttgggg acagtgttat aaatcagaat tttacgacag tttgcagaac actgatttga
120aagcttctta tgcaaaatga gaaggggttc aaatatatta attatcatta agtattaaat
180aataggcatt agatgtctaa tgtgagtata attcatcca agccatctca gaaagtctaa
240aaggttggca gggggtcagc tgaagacctc actggagtgg gtcttaattt ttaaaaagtg
300tctcactaca cttaagacat gtgacacatt cccattggta acaattgctc accatggcat
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388

<210> 2434<211> 391<212> DNA<213> Homo sapien

cgttgctgtc gcaggagagc cgctggaagc agtacctgga ggacgagagg atcgcgcttt
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120tgagagagaga tcgattgaaa tacgaatccc agaaatctaa atccagcagc gtggctgtgc
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240ctgaagatgc cttattcagg gacaagctga aacacatggg aaagtccacc cggaggaaac
300tggttgaact tgcccagacc ttctcagaga agacaaaat gaggaagtca aagaggaaac
360acttggtgaa gcacagtcg ctgggggctg c

391

<210> 2435<211> 404<212> DNA<213> Homo sapien

cgttgctgtc gcttttttcc attgtagaaa ttatgtatat cacatctcta atgggggtgg
60ttttcaaagt tatttgaaca ttccagtg tagggagctc ctgctttaca aggaacat
120tatatttttc aaaaactctt aagtcttaca agttatctc ataagaacag ccctaatttc
180ttctttccac cactttgtaa acagtaatat actttaaaat gtgtaacatt tagcaacttg
240tagctctgca tgcagtaaaa ttcaacattt tctgaattaa ttttactgt gttatgctga
300cttcagtgt tttattttca tgggctggtt taaaaatagc agaattggaa gatgaaagaa
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404

<210> 2436<211> 393<212> DNA<213> Homo sapien

cgttgctgtc gagaaaagg gctctgctga cctgccacct tcgctgtgat gagtttctgt
60gtagcagga cagcgaggca cggtttggat gaggacaaga tgtttggtac cctacaacca
120gggagggtgt cgggtgacac cctgggctca gaccccgcg tcagcaccg tctcccaccg
180tgggctgcca cagaagctac aaggcaccg gtcaaggcca agcaaatgaa acacgtaatg
240atagctctgt ctttctaatt tccccctatt agaagaaaga acgtgaaata attctttatg
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393

<210> 2437<211> 389<212> DNA<213> Homo sapien
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60ggggaaagag acggagacca acgagaacca tctcactggg agaggcgatg ctgtttgaca
120catcgctccct gtaccttcca aagccactgt cctccacac ctgggcaaca gtggcctcaa
180ccccaggccc agccctcctg caggaaggaa gaggactgaa tggagggcgt ggcaggatga
240aaggacgtgg cctcctcaaa ccatttgta aagggcctct ggggccacct ggctaagagg
300ggctggcaca ccaagaagtg gcctcctccc gggagttgag ccagagccca ggtgctgtcc
360ccaagtggac tccagagcca ccttttcag

389

<210> 2438<211> 387<212> DNA<213> Homo sapien
cgttgctgtc ggtttcaaag gatactgtca tgaagcagac acatgctgac acacctgttg
60atcattgtct atctggcata agaaagtgtg gcagcacctt taagcttaaa agtgaagtca
120acaagcatga aacagccctt gaaatgcaga atccaaattt gaacaataaa gaatgttgtt
180tcacctttac gttgaatgga aactccagaa aattagaccg tagtgtgttt acagcatatg
240gtaaaccag cgagagtatc tactcagccc tgagtgcata tgactatttc agtgaagga
300taaagaatca gtttaataag aacattattg tttatgaaga aaagacaata gatggacata
360taaatttagg aatgcctctc aagtgcg

387

<210> 2439<211> 391<212> DNA<213> Homo sapien
ggcacgagac taggcaagtt gctttggcat atatcattct cattaataaa acagacttgg
60ttccagaaga agatgtaaag aaattaagaa cgacaattag atccataaat ggactaggac
120aaatcttaca aacacaaaga tcaaggctca gcagctgata gactcagcaa caggcagcca
180ggagctctga ggctcacagc tggcagtcta gttccactca gtctctactt gagaaattct
240ttctttggaa gtacagcaga ggccttagag ctgatctctc taatgtatta gatcttcag
300cctttgatag tctctctgga ataagtttgc agaaaaaac ttcagcatgt gccaggaaca
360caacctcacc ttgatcagag tattgttaca a

391

<210> 2440<211> 402<212> DNA<213> Homo sapien
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60tgtaccatat gcagtaacac atgtttgagg tacagaattg aagctgattt ttctgcaaaa
120gatgaatttc tataaacaat cccattttta tttttatta ttaaaacaaa aatacctctc
180tttgctagag agtatatgta tgacttaaatt ttaggctat ggtttgcatt tagtacatgg
240cagattgcct gtaagtctgt tcattttaac aacatacggg gctgggcacg gtggctcagc
300cctgtaatcc cagcactttg ggaggttgcg ggtggatcac ttgaggtcag gagttcgaga
360ccagcctggc caacatggca aaaccccgtc tctatgaaaa at

402

<210> 2441<211> 387<212> DNA<213> Homo sapien
ggcacgaggg gaagaggtgc aggagaagct gtgtttttta tctccacacg cagtatgaag
60ataaaattac atagtattac ctacacatag acagtattac ctaggtagat gcaactgtca
120cctgcgccct tcccagctct catttttggt aggtgatttg ggatagggat agtgttttgg
180gggtatggggg gagggttctc tgcctgcttt gcgtacgtgc atgcgcgcc ctgctggttg
240gcgcggggcc cctgcccttt ttctgtctcg tgccggacgg gaccggttag gcctcggagg
300cacgctgttt tctgtgcccc acacgtaacc ttctgaacac tgtggtacaa gaagtctccc
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387

<210> 2442<211> 391<212> DNA<213> Homo sapien
ggcacgagga aggcagcagg atggcagtgg ccagtggggt caggctgggc catctccctc
60tcagacctca gcacctgggt cctcgggggt gctgctcttg ttccggaagt ggtctcgact
120ccgcttctctg ctgccatgga agccaacagt ttccaccggc gggagacctg gcacagacct
180actgtggaca gacctgaca gtgcctccac ctctgcagg cctccatggg ggctgcccc
240ctcctcagcc tctgggctcc cgggccggc cagatgggac agctccacag ggccctcgcc
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391

<210> 2443<211> 404<212> DNA<213> Homo sapien

ggcacgagggc tcaactgggag gtgcagctct ttctcctctt cctctaggaa ttccagaccg
60accatctacc atgactaaca acaatgaaca aagggcttag gggcaagagc tacctgcaaa
120gacgtgtcat ggaacccttc accatgcaat gccttgaaact cagctctggc tgctcccaag
180aaaaggtggc tggctggggg cctggacaca agcacaatgg ggctggtgga gccactgtgc
240agagctactt gaataatcac tgggttttca tcaactcctt ttgtcataca gaccactcaa
300gggctgaagt gttggttaacc ttcatttcgg tgccaaagcc tcacagcagg tgagccaccc
360tgagatgctt gtggccacat ggtggccaca gtcagagctt tgaa

404

<210> 2444<211> 395<212> DNA<213> Homo sapien

cgttgctgtc gcaagactgg acaactggtaa cagtatgact aaatatactg agaagctcga
60agagattaag aaaaattata gatacaaaaa agatgagctt ttcaagagac taaaagttac
120aactttttgcc cagctgatca tccaagttgc ttccctctct gatcaaacac tggaaagtgc
180agctgaggag attcaaaggc tggaaagaaa tgattctgca gcttcagacc ctgatgtgga
240aaccactgcc aggaccaatg ggaagggaaa tccaggtgag cagtgcgcca gccctgagca
300gttcataaac aacgcaggag caggggactc cagccgctca actcttcaga gtgtcatcag
360tgggtgttggg gaactggatc tagacaaagg gccag

395

<210> 2445<211> 393<212> DNA<213> Homo sapien

ggcacgagct aagactgctg tccctccgtt gagtgaagga gatgggtatt ctagtggaaa
60tacatcgctg gctcatacac cactcaacac acctgatcct tccaccaagc tgagcacaga
120agctgacaca gacactccca agaaactaat gtttcgcaga ctgaaaatta taagtgaaaa
180tagcatggac agtgcaatct ctgatgcaac cagtgaagta gaaggcaagg atggcaaaaga
240ggatcttgat caattagaaa atgtccctgt agaggaagag gaagaattgc agtcacaaca
300gctactccca caacagctgc ctgaatgcaa agttgatagt gaaaccaaca tagaagctag
360taagctacct acatctgaac cagaagctga cgn

393

<210> 2446<211> 404<212> DNA<213> Homo sapien

gngacganaa cagtgtgcag gagactcact cccagctgct gggctcttgg gacccgtggg
60aagaaccgga agacgcagcc cctgtggccc cctccgtccc tgctcttggg taccctgagc
120tgcccacacc caggagagag gtccagctctg aaagtgccca ggagccaggt gcaggcccgg
180gaccccttgg ggtgagggct ggggcagggg agggctgggg gaccccgacc ttccatggcc
240catagagggg gggggccagg gtgtggggac atttcgcagg cctgtcctcc taggaggggt
300cagtcagacc gagggccaga gggcgtgggt ggttcttgag cccccagag ccagggaatg
360ggaggcgag ctgcggcggc tgcaggagga gaggacgtgc aagg

404

<210> 2447<211> 402<212> DNA<213> Homo sapien

ggcacgagag gagcgctact ttgagccact ggtgaaaaaa gaacaaatgg aagaaaagat
60gagaacatc aaagaagtga agtgccgtgt cgtgacatgc aagacgtgcg cctataccca
120cttcaagctg ctggagacct gcgtcagtga gcagcatgaa taccactggc atgatgggtg
180gaagaggttt ttcaaagtgc cctgtggaaa cagaagcatc tccttggaac gactcccgaa
240caagcactgc agtaactgtg gcctctacaa atgggaacgg gacggaatgc taaaggaaaa
300gactgggtcca aagataggag gagaaactct gttaccaaga ggagaagaac atgctaaatt
360tctgaacagc cttanataac ccgaacttca gacattntcc cn

402

<210> 2448<211> 392<212> DNA<213> Homo sapien

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60aggccgctga agggcaccgg atgcccagga atcaccacct ggtaccagaa gcgggtgccag
120ccagcaggtc ctatgcccaa acacttggtg aggaacacag ggctgcccag cttcattcgt
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240gccaactggc tgccctctgg ctgtggggac cgcaagaagg gaccacaag ctgctggcga
300agtcgctgct tcaggtctgg cttgagccac tccacagcca cctgtctccc acagaggtgt
360gactgccctg taggaaaaat gcaagacaaa gg

392

<210> 2449<211> 402<212> DNA<213> Homo sapien

ggcacgagag aggccttaaa ctctgggtgtt gagtactact gggaccagct gaacgagacg
60gtcttctactg tccattccaa cagcaggagc agcgagcggc ctggaaccag cagagccaca

120tggaggacag acagagacat ggggctgatg aatgccattg ggcttcagcc ccggaaccct
180gccacctcag tgacatctca gggcaccacag actctggccc ttcagctgca gaatgccgaa
240acacagactg agagggaggt gccggagcca gggacagccg cctcagggtcc tgggtgaagg
300gaggggttcag agtatggtgc cagtggagaa gatgcgctca gcaggatcca gaggctgatg
360gcggaggggcg gcatgacagc cgtggtgacg cgggagcaga gc

402

<210> 2450<211> 393<212> DNA<213> Homo sapien

catagtctct aaggcatgac cattctgtcc tgtggtacca ggctggacta agctcccatt
60tctttaagcc atgctgtccc ctgcaggagc ttccaagggt gagctgatga gcaatagtta
120tgagtcattg gagggagacat cccaaaggcg ccagctcccc tctgccctaa actgaaatta
180agacctggtg ctctgggtgg gggccctgga aagggtatgt caactcatag gggaccttct
240ccaccttcac ccaggagacc ccaggaggac catggcagag ccggagccct cttttttttt
300ggtcgctttt tattttatta ttattatact tgaagtggta gccctctttt aaaaaccaa
360tgagaatagg ccaaagaagc caatcgtctt tgg

393

<210> 2451<211> 392<212> DNA<213> Homo sapien

ggcacgaggc cctgcgcag ctgaaataac tggaaccag cctctcctcc tacaccggcc
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120tcggagggtg cagagacac agaacttggg ggggtgtgca cgctggcagg tggcctctgc
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392

<210> 2452<211> 404<212> DNA<213> Homo sapien

ggcacgagag gacttgcccc atgtgcaaat gtgacatact caaagctttg ggaattgagg
60tgatgttga agatggatca gtgtctttac aagtcctgt atccaatgaa atatctaata
120gtgcctcctc ccatgaagag gataatcgca gcgagaccgc atcatctgga tatgttcag
180tacagggaac agatgaaccg cctctggagg aacacgtgca gtcaacaaat gaaagtctac
240agctggtaaa ccatgaagca tattctgtgg cagtggatgt tttcctcat gttgacaacc
300caacctttga agaagacgaa actcctaate aagagactgc tgttcgagaa attaaatctt
360aaaatctgtg taaatagaaa acttgaacca ttagtaataa caga

404

<210> 2453<211> 394<212> DNA<213> Homo sapien

cggtgctgtc ggaaggcaca ggcttttatt tatcccgat ctgctctcct gaaataattg
60tgagtcattg cctgaaatgc cggaggacat ggagcacgag gaacttaaca tccctaatag
120gaggggttctg gttactggtg ccactgggct tcttggcaga gctgtacaca aagaatttca
180gcagaataat tggcatgcag ttggctgtgg ttccataaga gcaagaccaa aatttgaaca
240ggttaatctc gtggattcta atgcagatca tcacatcatt catgatttcc agattactga
300cagccctgtc ctaggagcac aacgttcgag aaatgctcaa cttgactgct ccaaattgga
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394

<210> 2454<211> 396<212> DNA<213> Homo sapien

cggtgctgtc gccatattta gccatggtgt ctctatagg gtcagacatc atgtgcccag
60acctagggtc aggaatgtca tatttttctg ttaaaatcat tttatttctg tgtatcttac
120cttttaaatca ttgtggttta ctctgagatt ctgtagtctt aatattgtat cattgtgctg
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240ctttatgttc ttgcaactg ttccattat gagaacgctg tgctatttac aaggttacat
300ttttcttggc caggcgaggt ggtcatgcct gtaatcccag cactttggga ggccaagggtg
360ggcgatcac ttgaggtaaa gagttgagac cagcct

396

<210> 2455<211> 393<212> DNA<213> Homo sapien

ggcacgaggc ttattgagga aatccagaag gaggctgaag aggaacagaa aagaaagaat
60ggagagctgc gatgtgaact gcccctcccc tcgcatcccc caggccacca acggcagtc
120ttctgccttg tccatggcat aggccataga ccaggctcct gctgtcaca cctgggctc
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240ggttgggcca agggcagagg gggctgcacc tgcgggcctg ggaagcattg ctcaggggtg
300ggggctggga ccatggcccg cagaggcact gccacagctg tgagggccaa gatgctgtcc
360ccccatccaa aaccctgctg ccactgcagt gag

393

<210> 2456<211> 392<212> DNA<213> Homo sapien

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120tgcacccaag accaaagaaa agaatacgaa gaaagtggat cacagggcgc ctggcgctga
180ggaagacgac tctgagctgc aaagggcatg gggggctctg attaaggaga aagagcagtc
240tcgccaaaag aagagccgct gttaccagca cccttttccc aagaaaagtc aattcccagg
300tgcttatttg acatccttcg agggggaaga ggaggggaagc ggccagctca cccttcggg
360accctagtgt ggggcgaatc tcacggacct ga

392

<210> 2457<211> 401<212> DNA<213> Homo sapien

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120acctctccaa ccttcacgcc ctccccctca cccaaagggc aactgcaga gtcctcagtg
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240acagatgagg atgaactgac tggaaatcctt aagaaattat cacttgagaa atatcagccc
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401

<210> 2458<211> 403<212> DNA<213> Homo sapien

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120ttgcatcagc tactaaagaa tgagaaagat gaggtgcaaa aattacaaaa tatcattgca
180agtcgagcta ctcagtataa tcatgatatg aagagaaaag agcgtgaata taataaactg
240aaggaaacgtc tacatcaact tggtatgaac aagaaagata agaaaatagc tatggacatt
300ttgaattatg tggggagagc tgatggaaaa agaggctcct ggaggactgg taaaactgaa
360gccaggaatg aagatgaaat gtataaaatt ctcttgatg att

403

<210> 2459<211> 399<212> DNA<213> Homo sapien

ggcacgagtg actattgaaa atgcttagaa tgaaaaaaat gaaaattctg acctaaaaca
60gcaaatcagt agtttgacaga tccaagtgc ttcacttgca cagtcagaga atgacttgct
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180tacaagccaa gctgaaaaag cgcaactaga agctgaaaag acattgggaag agaaacagat
240acagtgggtg gaagaaaagc ataagcttca tgagcgtatc acagacagag aagaaaagta
300caatcaagct aaggagaaac tgcagcagc tgcaattgcc cagaaaaaga gaaaatctct
360tcatgaaaaa aaattgaaaa gactacaaga gaaagtaca

399

<210> 2460<211> 397<212> DNA<213> Homo sapien

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60aaaatttagt ggatcaacat gagcctaaga agagttgcag acctgggatg tggtgatact
120tcactcttaa ggctgctaaa agtcaatcca tgcattgaat tgcttggttg agtagatatt
180aatgaggata aattacgatg gagaggggat tcgtagctc ctttctggg ggattttctg
240aaacctcggg atctgaattt gaccatcaca ttgtatcatg gctccgttgt ggagagagac
300tctcgtttgc ttggatttga cttgataacg tgtattgaat taatagaaca tttggattca
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397

<210> 2461<211> 386<212> DNA<213> Homo sapien

tgctgttcca acagaaatta aggtcgatgt gtgcaaaaga gtaaatctgg acattactac
60tttaatcaca tatgtatctg ccctcagcta tggaggctgc cactttattt tcaagagaa
120agtgtcaca gaacaagcag agcaagagag gaaagagcag gttctacctc agctggaggc
180ctttatgaag gacaaggagt tgtttgcttg tgaatctgct gtcaaggact ttcagctcat
240tttagatacc ttangaggac ctggggagag agagagggcc actgtgttaa ttaagcgaat
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360taatagccgc tcattaacaa tttttg

386

<210> 2462<211> 392<212> DNA<213> Homo sapien

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120ggaggggcatc tccagggtta ccatcattga tcttgatgcc catcagggca atgggcatga
180gcgagacttc atggacgaca agcgtgtgta catcatggat gtctacaacc gccacatcta
240cccaggggac cgctttgcca agcaggccat caggcggaag gtggagctgg agtggggcac
300agaggatgat gagtacctgg ataagggtga gaggaacatc aagaaatccc tccaggagca
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392

<210> 2463<211> 385<212> DNA<213> Homo sapien

ttgagaagat cctcagcact cttgttaaag ggacacgcag acctgtgacc tgcaagattc
60gcatcctgcc attgctgata cctctccat tctgtcata gccaacggag gatctcatga
120ccacatccaa cagtattcgg acatagagga ctttcgacaa gccacggcag cctcttccgt
180gatggtggcc cgagcagcca tgtggaaccc atctatcttc ctcaaggagg gtctgcggcc
240cctggaggag gtcattgcaga aatacatcag atacgcggtg cagtatgaca accactacac
300caacaccaag tactgcttgt gccagatgct acgagaacag ctggagtcgc cccagggaag
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385

<210> 2464<211> 386<212> DNA<213> Homo sapien

ggcacgaggc cggtttgccc cttctttgta tgagagtttc atccgccctg aaatcttccc
60ggtcgtaaat aactcctcag gtccctgcct gcacagggtt ttttcttagt ttgttgccca
120agagtacacc aaatgtgaca tcctttcacc aatatagatt acttcatacc acattgtcaa
180ggaaaggact agaagaatct tttgatgacc caaaaaactg ggggcaagaa aaagtaaat
240ctggagcagc atggacctgt cagcaactaa ggaacaaaag taatgaagat ttacacaaac
300tttggtatgt cttactgaaa gaaagaaaca tgcttctaac cctagagcag gaggccaagc
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386

<210> 2465<211> 391<212> DNA<213> Homo sapien

ggcacgaggc cggtttgccc cttctttgta tgagagtttc atccgccctg aaatcttccc
60ggtcgtaaat aactcctcag gtccctgcct gcacagggtt ttttcttagt ttgttgccca
120agagtacacc aaatgtgaca tcctttcacc aatatagatt acttcatacc acattgtcaa
180ggaaaggact agaagaatct tttgatgacc caaaaaactg ggggcaagaa aaagtaaat
240ctggagcagc atggacctgt cagcaactaa ggaacaaaag taatgaagat ttacacaaac
300tttggtatgt cttactgaaa gaaagaaaca tgcttctaac cctagagcag gaggccaagc
360ggcagagatt gccaatgccca agtccagagc g

391

<210> 2466<211> 397<212> DNA<213> Homo sapien

ctccagaata ttattaagac tcttaggggt cctctcagtt tgaagtattc ctgcccttct
60gaaagcacat ggaaactagc agtatcctct ctccctcagag ttctttctat tgggctacct
120gttgcccggc agcatgcttc ttctggaaaa ttgacagta tgtggccaga actagccaat
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240tttcaaagaa atgaaaatat tgatgtcgag gtagtccaac ttatcagcaa tgagatacta
300ccttatgccca attttattcc taaggaatct gttggtcaaa taatgacaat gcttaacaag
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397

<210> 2467<211> 397<212> DNA<213> Homo sapien

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60ctgaacagca aagcatggtt cagaaacagc tagaacagat tcgtaacaa cagaaagaac
120atgctgaatt gattgaagat tatcgatca aacagcagca gcaatgtgca atggccccac
180ctaccatgat gccagtgctc cagccccagc caccctaact tccagggtgc actccaccca
240ccatgagcca accaccttt cccatggtgc cacagcagct tcagcaacag cagcacacaa
300cagttatttc tggccatact agccctgtta gaatgcccag tttacctgga tggcaaccca
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397

<210> 2468<211> 390<212> DNA<213> Homo sapien
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60tcagggcagg aaggggaata tgccttgga ctgaagcaag agctacgagg agccatgagg
120cagctcccct acttcatccg gccagctgtc cccaagagag atgtggagcg ttattcagac
180aaatatcaga tgtcaggtcc gattgacaat gccatcgatt ggaaccctga ttggcggcgt
240ctaccccgagg agctaaagat ccgagtgagg aagctacaga aggaacggat tacaattctg
300ctcccccaaga ggccccctaa gaccacagaa gataaggagg aaacaatact gaaactagag
360accctggaga agaaggaaga agaagtaacc
390

<210> 2469<211> 387<212> DNA<213> Homo sapien
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120gtgggtatgg aacagctggt acagaatgcc accttccgct gcatcctggc taccctccta
180gcggtgggca acttctcaa tggctccag agcagcggct ttgagctgag ctacctggag
240aaggtgtcag aggtgaagga caggtgctg cgacagtcac tgctacacca tctctgctcc
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387

<210> 2470<211> 383<212> DNA<213> Homo sapien
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60aaagagacat ttcataggt tcagagtaac tcacctccat gggctgacca aaggcttttc
120taatttttgt tactgatgag atgaaaccta tttgtaagga gatcttcccc aggagcattt
180ctgttgctt cttgacatca atgaaaagta gcatattctc ttatgaaata gcatgagaaa
240acacagggca tttctaggac agtaaacgt taaagtactg gattaagaaa acaacaacag
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360cacctgaggt caggagtgtg tga
383

<210> 2471<211> 371<212> DNA<213> Homo sapien
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60gcacgtctca aacttgggag actcagaata caacagagta tgggatacag ggaggaaaga
120agagatgcag aaataaatta aaaacaagat ttgtttaaag aggaactgca acttctttaa
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240cttcaacttt cacattgctt cactcactct ctctctctcc ctttcacctg ctacacctac
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360gcagccattt t
371

<210> 2472<211> 383<212> DNA<213> Homo sapien
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60cagagtacga ctgtctcaac aacaacagca acaacaaca caacatctt caaaaagct
120tatttcaagg aaaaacacaa agaaatttca caatgaatta aattaacagc cttggtagct
180aggttaaaaa atttaaagca aagaaataaa agttgatacc aggttagcaa agacaaggta
240aaaaatagta ctaagacact tcaggacctt taaggatatt tgaagagggt tcaatattta
300gtatctaagg taaaagaggt tgatgcagta ttttcaggta aaggaaatcc ttgcaaaatc
360agactgattt gataatatta ggg
383

<210> 2473<211> 383<212> DNA<213> Homo sapien
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120acaaacaaca ttgtgaaatg tcaacctgtc agtcgttttg aaagtgtg gcatgaaaag
180gcaattacc aaatgacttt taaaagatg gagaatttgc ctggctgaac gttttttaat
240taatgcccgt agttaacatt aataactatt catagcttag tgagctgggc ttgaggtggg
300tttaggaaac atttggtatc tctggcaggg acagatgttg acctggccgg tcggcagctt
360ttacaaacct aaggacttca ggg
383

<210> 2474<211> 381<212> DNA<213> Homo sapien
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60tgccactgcg cccagccggn ccttgctttc atgtacctta gaattcagag gaaaaaagag
120atattaaaca aataaataca caaatgaaca tacaatttca gtgagggtta agtgccatgc
180aggtaaagaa ttaaggggtcc tgtttcatctt acttcttctc tgcttgacc tgccttcat
240taattccaca aatacttact gaccactgca tggcaggctc tatgctgagc actgtgaata
300cagaagtgc tcttgatatg gggattcgaa ctgcatggag ctacaccgt ccaaccaga
360ttgacataca taataggtcc t

381

<210> 2475<211> 374<212> DNA<213> Homo sapien

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120gaaatggccc tgaaatttta ttgggtcagg gacctctca gcagccgcca cagcagcata
180gagtactcca gcaactacag caggagatt ggagattaca gcaactccat ttacagcatc
240gtcatcctca ccagcagcag cagcagcagc agcagcaaca gcaacagcag cagcagcaac
300agcaacagca gcagcagcag cagcagcagc agcaccacca ccaccaccac caccacctac
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374

<210> 2476<211> 381<212> DNA<213> Homo sapien

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180ttgcagagag catagaagga gccactgcac tctagcctgg atgacataat gaggtcagt
240ctatcatggt aatagtagcc tgaacctatg tgaaatctaa gaacatataa cactaatttt
300tcatagtata aattaaaaaa tgggtgccta gcgctggaga ttccgggaag ggacacagat
360tctctgtatt gatagactgg c

381

<210> 2477<211> 380<212> DNA<213> Homo sapien

ggcacgaggt cctttccagc ttgggttca cagccttctg ttattcctgc tgtcaatttt
60ttgtctttct actgtgcttt tcaaccttgg ttattcatgt atcaccttca tctgtgcgat
120tattaccatt taactgcagc aagtaaagac gttaatagt aggtttttgg gaatgtggta
180aaaccgggag gtatatttga ctttgtccaa gttatctgat gaggcagatc agctaaagca
240aaatacagtg ggttgctccc tactatcact gggacctaga gatttcatct acatctctga
300aaaatggggt ttctgtatga tagtatgggt gagaaggat gacagcagaa ctatcaactg
360ttttctgatt atcctgatga

380

<210> 2478<211> 374<212> DNA<213> Homo sapien

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120aacactaact ctctttaagc ctgcatcacct cccacattct aatagggctt ccatgccgag
180ttgttttcta gaatttttcc ttccattttt cagggaagcg tgaatgttgc tttaatgca
240gcgttttaat gtgggtataa gctttttatg tgacttaaat tacataaaca tttcagttgt
300gctgaataca cctcttattt tctagatttt catgttttca tacagctcag gttttgatgt
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374

<210> 2479<211> 373<212> DNA<213> Homo sapien

cgttgctgtc gggataaatg gaaatttcaa cttatttcaa attttgcaca tattatgaaa
60ccttattaat gtatttttat caaactaaat cagatttcta tttgaattgt taggaaaaac
120catgtgcagt tttggctgat aattgaagga aaaatatcaa atactttgaa tttttttct
180cttttttcaa accctctgca gaggtaggaa ggtatgaatt tcttttttat gtcaagatgc
240aaaaacaaat catgatgctt ttgttgggag aatttttcta ttcagtattt tgtatgtacc
300tttttttttt ttaatttga aagcccaatt aggttaaaca ttttaactttg cttgactcca
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373

<210> 2480<211> 367<212> DNA<213> Homo sapien

ggcacgaggt gactctagct tctggtacga gcccttcagt tcacctcct gccctgctca
60gaacccctg gacctgacat cgcggcttta acaccttgg gtcagtgtag aaggaagagt
120gcccaccag gactttccga ggctcacaga ttctttgaaa tggacgtgag cacaacgcc

180cagccccgac agccagggat cagatcgggt ttcacttcct aggagggagg atgtactgca
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300gttttacggg atggccacac ggtaccctgc aggtcatcc atggtgggac cttgatgctc
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367

<210> 2481<211> 384<212> DNA<213> Homo sapien

gtagcacgaa ggcccactcc aaggttctgg ccaggctgga ctgtaacagc agtaccagca
60ccagggaatgg ggccaccatg tgatctttgg gtagaaatga cttttttggg cttgagttg
120tcttttctaga atgcacgtga tcccttatcc caggagggtt gtaaagacca cactgtggag
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240tacaaaacgc gtccatgatg aggacgggtc cattagagcc cccaacgttc tgtgaagtgg
300gcggcacagg ttggggaagg ggacttaatg gggttatgta atttgcataa aaatcacaga
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384

<210> 2482<211> 383<212> DNA<213> Homo sapien

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60aaatagaaa ttctgaacac cctcctaagt cactacagga tgccagcgtc tctatttctt
120gggtagacag atgccactca gcatcctgat gtagatatac agaaattgtt acttcctagt
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240tcaacaaaat gttcctctgt tcccagttaa agtaaatctc cctgcttcca agtaagcaag
300actgttcact aaagaaggaa ctttttagaa aactaatctc ctttatcatc caattttagt
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383

<210> 2483<211> 379<212> DNA<213> Homo sapien

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120gacctccggg aatccgcaca ccttggcctc caaaagtgtc gggtttacag gcgtgagcca
180ccatgcctgg ccccattagg ttactttcat tccaccttca tgcttatggc cattcctctt
240atgctgctgg gtggacatag agcttcacca ccacctcctc gcatgtcctc tgtgtctgct
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379

<210> 2484<211> 377<212> DNA<213> Homo sapien

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120aaaaacatgta aaagccaaca aaacccttga aaatattttg catatggatg tctgtttcac
180gtttcaactg aagatgtata gagcacctct gatgatgagg aagataccat gctaggcagt
240actttcaaga acgtgagttc ttattttctg aggccttttg tgcccccttt taaatgtag
300catttattag gtacaaacta gtggggaagg tttttttaa aagttttgca gtcttgtaat
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377

<210> 2485<211> 375<212> DNA<213> Homo sapien

cgctgctgtc gtatagaact aaaatgtctt aaaccacgct tagtttcata tttagaacia
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120ggagacatgg aaactgattg ggggagttta gctttactct cttttttctc agccattaag
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240ttctgccact ttttaaaaat cttcttattc agaagttcag caaagtaaac caagtctggc
300ctaatacttt gatttacttg aatacctcta cgtatcttaa taattccttt aattttacat
360tgtgtaataa tttat

375

<210> 2486<211> 372<212> DNA<213> Homo sapien

ggcacgagat tgtactggga agaatagaaga ggtgatacct ttactagatc ctccagacac
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180tcctgaagga actttgggga atcatcttca tccgtagtta cgctttcctg aaccttctca
240gtgggtttaca tgcctctgaa actatgtgca atatttttg ttgacacttg tatccatcct

300taagaaatta gtgcagattg cagatgttct gtcttccatc ccaaacaagc ctgccatgag
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372

<210> 2487<211> 155<212> DNA<213> Homo sapien

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120cggagcgcgg atcgggacag cggccgggac agcgg

155

<210> 2488<211> 375<212> DNA<213> Homo sapien

cagctcatat ctggctaaca gtggcactat gggagtttat atgatctgtg cattattctg
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120ccattaaatt atatccatga atttatatca ccgtccttga ctttatacgt agatttttct
180aattctgtca acccttaggg taatgaataa cttaaatggc caatgcctct gaataacatc
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300caatttgcta agttaagggt cagtgtattc attagccaat ggttctgtat tttattcatt
360ttagntttta ttcgg

375

<210> 2489<211> 379<212> DNA<213> Homo sapien

gcggattgtg acaaaatctt tcattaacaa ggggagtttc ggtgaagtgg aggtttgggg
60aaaggcgagg aagtcggtct ggagcaagca agcaaagtgc ggaagctgta ctgggattct
120tctagaaagt ggggtgggaa aggaggtagg gagggcgtgt gcaggagcga gatctgtgtc
180agaacgtgcg tgtgagcggg taaaaaccc gagagaggcg tgagcagcgc tgtgtttgag
240agcgggagcg aggggcgccc gctggggtgt gtgctcctga gctcttcaga aaccaggctg
300ctttcaggaa cattgctgtg gattcccagg gcctattcca ctagaagcaa gatggctgaa
360ctcaatactc atgtgaatg

379

<210> 2490<211> 372<212> DNA<213> Homo sapien

catctttggc gtaggccatg aaagacagga tgctcattgg gtgttctgct gagtgaggaa
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120aaatggaccc agttttgcca catatcagta ttacgctgaa gatcagggtga ctggatgccc
180ccacctccca tcattgcctc ccatagccat tctgttcagt cagctcatcc acgctggatt
240cctgagaggt ttgcaatttg ggaagccatg aaaaaggctt ttatatcttg gaaagatgga
300gagagggaca taggatcggg gactcctaca tgacatgaat aggctggaga ttgggaatcg
360gccatccacc an

372

<210> 2491<211> 375<212> DNA<213> Homo sapien

ggcacgagaa actgtcagcc cattaagtgt tcattcttaa tgtgaaatct ctagatgaag
60gcaatttagc ttaatttgcc aagacatctc ttcatgtctg ggagggctgc tgggggaagt
120agagctggaa tccattggag ccaccaatct gcagaagtct agaacacaaa ggacacagag
180tgggttttgt gggctattgt ggcatttgtc aaggaaaagc aacattgccc tctaaatgac
240tcccacttct gttctggaaa aaacgcatca tcattcatgc caccatccca atagacatag
300gaagcaatct ctcttcaggt tttgagatgg tgcaagcatt gacttttctt tctacagagg
360gctgggatgg ggggg

375

<210> 2492<211> 382<212> DNA<213> Homo sapien

accgcagcag ggaatatcaa acttcttggt tgttctagct ttgaagcttt tgcttcagta
60atatttgttt aaagaaccag atcacatacc atttatcaaa gtctttactt aagccagact
120actttgcaga catacatatt tggaaaacag actgtttctt gttcactaga tagaatctgt
180attgtagtaa gaaactactt acaagggtggc tttctttctg ctttgcact ctatgtataa
240ctcaataata tatgtatggg cacagggtcc ctggagatgg tttatttctt tatgacagac
300acatgagtat gcacctctct ctagtctct gatgtcactg cagctacagt ctcttctcac
360tctgtttttg agagccttca aa

382

<210> 2493<211> 375<212> DNA<213> Homo sapien

cgttgctgtc gtgagaacgc aatgtcaggt gtgggactcc ttctgcccct gcagtgggtg
60ttacggggcg tgtgccctgg cgagcaagct ttgattcttg gttctttgag ctcttttcag

120aggctgagtc cccacatcag ctttagttct tggacttccc tgtattaagc aagaattagg
180agaatggctg tccctgcagg cgcctcccgt aaatcctgag ctctctggcg caatctgaaa
240cttctcttct gtttcttttg gctgtatcag ccgaaccagg agaggcctgg gctgcgacta
300aggagaaaga aatcgggggt ttctgagagc agatgggtgcc tttgtgggtg cagggctttt
360gtggaaattg tcacg

375

<210> 2494<211> 371<212> DNA<213> Homo sapien

cgttgctgtc gaaagtcca tataatgaat taaaagaaaa gtgctgtgaa gaaaacaaat
60tcaggatggg aataggagggt ccaaggagggt gcaagggtgtt ttcattttga atgtgggtgg
120ctgggaaagc ctactaaaaa tttgagaaag acttgatgaa agagaggagt gagccatgca
180gccatttggg ggacaacttc caggcagacg gccggaggca gcagtgcag ggctgtagtcg
240gggcagtgtg tatgcctcct gtgtagcaaa cccagggcac cttttattaa gccaactatt
300agggtttcca ctgtttggag gtggctcctg ttcttggaga ccccaactc tgatgttttt
360ttggaattgc t

371

<210> 2495<211> 368<212> DNA<213> Homo sapien

ccgttgctgt cgggcgagtc tttaaaggag tggctcatct ttcctctccc tggggcattt
60tgggtgtggga gactacaggg gatgaggtta aaaagcttgg tcggcaggta gaggatgggg
120agagaggtta gggccctggg aaaggtggga gatcagccag agacaggttt ccagaacag
180aatgtctggc ctttgtgtg aggagggact gtggtatgag ccgcagaagc gggccagggg
240taaaccctcc tgtgcgtcct tccttcagcc tggctcctgag ggtgaccctt tgatcctggg
300ttctccagggt agggctgtga gctgtgagtt ggatcctttt ggtgaaatgg tctctctcat
360ctggcctg

368

<210> 2496<211> 378<212> DNA<213> Homo sapien

ggcacgagcc aaggcctggt ggccctcgtt cccctgccc tcgtcaccat cctgtccttg
60gctggccgtg aggactcccc tccctaccac tgggtccac agggctgagg tgggcagtag
120agggcatagg tyggtacatg tcccgggcaa ggtctctcgg ggggacagaa gtgagtccag
180ggagtgggtg ggcctgggcg tccctcactc aaaatgccgt ggggtgagga cggtgaggac
240aggggtgggca ctgggttctg gtttagagtc agtaatgtta gggcgagtg ggcagggggg
300caggacatct ccagccggtg gtgaggaagc atggtggggg ctctccaca ggacgggagc
360tggngagggt gtccctggg

378

<210> 2497<211> 384<212> DNA<213> Homo sapien

cgttgctgtc gattttaga ccagactggt atccacagtt taattgaggg tttgctccag
60tattcctggc ccaatgacaa agatcctgtg gatggtcctt ttcctactat gacttttgc
120gaggtgctgg ccacctatgg aactgataaa cctgacactc gctttggaat gaagattata
180gatatcagtg atgtgttag aaacacagag attggatttc ttcaagatgc acttaataag
240ccccatggag ctgtgaaagc catatgtatc cctgaaggag caaaatactt aaaaaggaag
300gacattgaat ccattacaaa ctttgcagct gaccatttta atcaggaaat cttacctgta
360ttccttaacg ccaatagaaa ctgg

384

<210> 2498<211> 371<212> DNA<213> Homo sapien

cgttgctgtc gccatgccat tgacttgat gcagaagcaa tggctcttcc cctctatcgc
60cgaaccataa gaggaaggag cttggataca agacaagtgt acaccaaatg tgaaggtagt
120gaggttgaag atctctatga gcttttgaag cttgttaagg aaaaagaaga agtagagggg
180atatcagtag gtgctatact ttctgactat cagcgtattc gagtggaaaa tgtgtgtaaa
240aggettaatc tccagccttt agcttatctt tggcagagaa accaggaaga tttgctcaga
300gagatgatat catctaacat tcaagcaatg atcatcaaag tagcagcttt gggtttagat
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371

<210> 2499<211> 377<212> DNA<213> Homo sapien

gtccaagctg ctgcgcttgg agcaatgacg tccatgggtg gtaagggttg caaagattct
60tttggcaatg attatataga aaacttaaaa cagaatgata tttctacaga atttaccat
120cagactaaag atgctgctac aggaactgct tctataattg tcaataatga aggccagaat
180atcattgtca tagtggctgg agcaaattta ctttgaata cggaggatct gagggcagca

240gccaatgtca ttagcagagc caaagtcag gtctgccagc tcgaaataac tccagcaact
300tcttttgaag ccctaacaat ggcccgagg agtggagtga aaacctgtt caatccagcc
360cctgccattg ctgacct

377

<210> 2500<211> 346<212> DNA<213> Homo sapien

tttcgtttgc gagaagacga cagaaaggca aggaactagt gtgtatcaag ccataactaag
60ctggagttaa gcaggacaaa ggcaactaa atgtagaaca taacatatca gctgaatatg
120tctatccagg actgtttttc tagaacataa atcatggagc tccttgacag tgtatccact
180gtttttgggg tttaataaaa ccaactagaa tttagactta caaagaaatt attattcctt
240ttggtgtcc acataaagca gtccagggtc atcatatggc taaaatcaag atatttggtt
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346

<210> 2501<211> 344<212> DNA<213> Homo sapien

tactttctgc gagaagacga cagaaggggg cggaggggca cttacttac ctcaggggca
60ctcccccaac actggagaca gtctgttcca aacaggagtg ggagacgaga ctgaatggag
120tttgataat gaaaaagaat gttcgggacc aatttaatat tcatatccag ttagtgagga
180acggagccaa gctgagcaga ctctctcaaa tccctactcc cactttacct ccaccccat
240cagagacaga cttcatgctt taggtgtttc aaccaggcc ctctctgggt cctcggatgc
300ccttttccat tggcagggtc acaatgcccc tggttatgcc cagt

344

<210> 2502<211> 338<212> DNA<213> Homo sapien

agggtatgg ctgctagaag acgacagaag ggataacca acctcctaga ctaacaacac
60agtcattcat cttacctcca agaaaaacat aacccaacc agctatttgc cctgctccca
120gtagaggcag acacacctga atgtgctatg aagagacaag ccttagggga gaaacagtgt
180gatttgaca aatcattcta taacagcga acctttcgat gtgttcaacg gctgcagaaa
240gcacaccaca ggtgagagac cagaaagtgc ccaaggggtt ttatacaaaa aaactatatt
300taggtatagg gcacagtcta cgtagaaac ctttcaag

338

<210> 2503<211> 335<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaacaaaac cctctgtc tcctctcgca gaggtcatcc
60ctgagtcagg gtggcagtc ctccccgggg ggcagaggag agtgcctatg gttgaggctg
120gggactctgc aactggggga ggcacggtaa aattaacacc tgctgatccc atgggccttg
180gacagggttc ttgacttttt gggggccgct gtcaaaggtt gagtataata acctcctccc
240cacagcaaat taataaatgg catgtgcaca tacagcgctt gcctcatgtc tcacatgata
300aacctgattt ctgggcactg gctgagcgac tatgg

335

<210> 2504<211> 475<212> DNA<213> Homo sapien

acttgaactt nnnaaggatc ccacgatc gtcagatct ccaactctc ctccttcttc
60taagccatca agtattctc ggaaatcatc tgtggatctc aatcaagtta gcatgcttc
120tccagctgcc ctatcacctg ccagctcatc acaaagatct ggaactccta agccatctac
180tctacacca accccttcat cgacccaca cctcctgat gtcagagct caactcctag
240tacccttca gccacccta cccccaga ttcaggcttc acccctcagc ccactttgtt
300aactcagttt gtcagcagc aaaggtctct gagccaggca atgcctgtaa caaccattcc
360tctttccacc atggtaacat ctataactcc aggaaccacg gccaccagg tcatggcaaa
420ctctgctgga cttaacttca tcaatgtagt gggctctgtt tgtggggccc aggt

475

<210> 2505<211> 446<212> DNA<213> Homo sapien

gacaattctc anggccttnn tggaagatcc catcganncg gttgcggcac gagaatgctt
60ttgcccattat acctatattt tttagaacag caagccctat ttgaccactc tcttcagctt
120gtgtgttctt gctgttttga agtaatcaaa tgctgtgcat ggtattttac ctgagctgca
180acctgttatg gacttgaact tctgtttaag ttgaaagcaa ggtccctga gtataaagga
240aaaacagcaa aacaaaaagc aaacaaaaaa aaactgcaa agtctaaaat acccattggt
300gatgtttttt aaaaaaatct tgctttcagc tttcaggagg taatattctt tgttttaatt
360tgataattgg atatggttga tttatattgg gtttaaaactg cggagctttc atgtttactg
420gtaattagtc ttaaaatatt ttttac

446

<210> 2506<211> 444<212> DNA<213> Homo sapien

tagctccatc ttatacgcac gaccgctcg attccaagat cgctgctgtc ggcattggaag
60gatgcatgta tgactgagga aaagtcattc agtattgagt tcatttgcac tagaggaatt
120tcatagttta aaacttgat atctttacct atccttcgta tgttttcttc ttaagcatat
180ttgacttttt ctacctcagc atctgtataa gaaaatattt gtgagtcaga tgtttgggg
240ttttctttac ctattattat tttcttccat gctttacaac acatttttta aactaccttg
300ttcttaata attacacgga cctgcttctg tgtactttca cagaatcttt gacagttaaa
360aattgtatgt tatataaaaa ttgacaagc ttctacagtt aggaaaagcc tttagaaatc
420tgccttcccc aaaccgtatg ttat

444

<210> 2507<211> 431<212> DNA<213> Homo sapien

ttcaaggacc acatgtgttc tctattttgc ctttaaattt ttgtgaacca attttaaata
60cattctcctt ttggcctgg attgttgaca tgagtggaaat acttggtttc ttttcttact
120tatcaaaaga cagcactaca gatatcatat tgaggattaa tttatcccc ctacccccag
180cctgacaaat attgttacca tgaagatagt tttctcaat ggacttcaa ttgcatctag
240aattagtggg gcttttgtat cttctgcaga cactgtgggt agcccatcaa aatgtaagct
300gtgctcctct catttttatt tttatttttt tgggagagaa tatttcaaat gaacacgtgc
360accccatcat cactggaggc aaatttcagc atagatctgt aggattttta gaagaccgtg
420ggccattgcc c

431

<210> 2508<211> 433<212> DNA<213> Homo sapien

cgctgctgtc ggccggcagg aaatttaaac tgaagccgcg gccgaaaacg ccaagagatt
60gatgctgtag ctgccctgag ataaccagga ctgtggaatc gggaagagct catggagctc
120gcgaatgtaa tacggaggcc tctgaggaag gagtacggag gccgagaagg agccggcatt
180tgatgagcga accgggaaaag ggagacgatt gcctcgagct ggagagttcc atggctgaga
240gtaggctccg ggccccggac ctaggagttt ccagggtgtc aggaaaatgc cagaagaact
300caccaggtgc caggaagcat cctttttccg gaaagtccct ttacttggat ctgctgctg
360gcaagaatct ccagtttttg acgngggcca ttcagcaact ggggtgggta attgaggggt
420ttctgagcaa aga

433

<210> 2509<211> 425<212> DNA<213> Homo sapien

tagatatgca tgcttgagga aacttgcttt tactgttttc ctacttgtat cccagttca
60gttgaattta caaggaccta caagatggtc atgtttgtct tggatgtgc taccctaatt
120ttagtgtttc tttctttatt ttaaatcagt aattattcag ttgattgttt atactatata
180atgaagtaac aaaaacattt tggtttgtat gttttaagta acagttgtgc aaattcctct
240tgtttgttag gtgctccctt tgaatatttt gtgaactgtg tcacagggag aggggtgggtg
300gctaggaaga gggtcagaaa gaagctagag ggaggtcagg agaagggtaa cagggaggat
360gcaaagcaga catctacctt ggtcacccca ggatcaggat atctgtcctt ggttcattgt
420gaatn

425

<210> 2510<211> 423<212> DNA<213> Homo sapien

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120tatcaaaaga cagcactaca gatatcatat tgaggattaa tttatcccc ctacccccag
180cctgacaaat attgttacca tgaagatagt tttctcaat ggacttcaa ttgcatctag
240aattagtggg gcttttgtat cttctgcaga cactgtgggt agcccatcaa aatgtaagct
300gtgctcctct catttttatt tttatttttt tgggagagaa tatttcaaat gaacacgtgc
360accccatcat cactggaggc aaatttcagc atagatctgt aggattttta gaagaccgtg
420ggc

423

<210> 2511<211> 421<212> DNA<213> Homo sapien

cgcacgagag agagagagag agagttattt tgagagagag agagagagag agagagagag
60agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag
120agagagagag agagagagag agagagagag agagagagag agagacacac cctctctctc
180tcttcttcag tgagtgaagt agcagtggtt gtgtctcccc cccctctctc ctctctgtgt
240ctattgtctt tttctggcgc gtattgtctt atctctctct ctctctctct ctcacatata

300tattcccccc cccctctctt ctctctcaca caaatttttt ctttttttgt tcgtgtgcct
360ctctctctat aaaaccact ctctctctt tttctctctg cgtgtgtgcg ccttctctcc
420c

421

<210> 2512<211> 422<212> DNA<213> Homo sapien

ggcacgaggc caaatccttt gagctgttaa gatgataatt tcctgctttc ctctacatc
60ttctctctcc actcctcct ttggtgtgaa tattggcttc ccaattaaga ctttttttt
120ttttttccaa gttggtttta ccaaataaag ggttggggag aaccttgccc ttttggaat
180tttaaaaaaa ttttttacc tttcttaaaa taagtcttg gtttttccaa ggttttaatg
240gaaatgggg aacaaaagaa aaaatttga gcgattttc tttttccctg gtaagggggg
300gagattttcc caaacggag gggcccccct ctggtttgga acctggaacc acatccccgg
360ggggtgggaa agggaatttc cccaccggga agccttgctt tttggttccc agggccttgg
420gg

422

<210> 2513<211> 422<212> DNA<213> Homo sapien

ggcacgaggc agccggacca ggagttgggt tcgtctctcc ccgagcctcc ctttctcaaa
60tcccgcaggg tcttcgcgag gatccggggc gctccccgcg gacctgcctc gcccggggct
120tgggctcggc ctgcctctgc ggggacttct gtatgcaccc cgtgcagtgt ccccgacagg
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300tttgattttt ccaggttgcc tttgcaggcg cccgcatttc taacctgttc ttcctcttgg
360tggaaggcaa agtccaggga gaggtgtcc ctatgcgng cgctggtggn gctgagggac
420at

422

<210> 2514<211> 422<212> DNA<213> Homo sapien

cggttgctgc gaagtatttt accttgactt accttctgtc accatatctg aaaaacttca
60aaaggacatt aaggtatctg gagggcgagt tgaagaattt ctacgcaaag atatcagtta
120tcttatttca aataagaagg aagctaaatt tgcacaaacc ttgggtcgaa tttctcctgt
180accaagtcca gaatctgcat atactgcaga aaccacttca cctcatcca gccatgatgg
240aagttcattt aagtcaccag acacagtgtg tttaagcaga ggaaaattat tagttgaaaa
300agctatcaag gaccatgatt ttattccttc aaatagtata ttatcaaatg ccttgatcatg
360gggagtaaaa attcttcaca ttgatgacat tagatactac attgaacaaa agaaaaaaga
420gt

422

<210> 2515<211> 166<212> DNA<213> Homo sapien

tggttggtct gcactcttac ccatgatgcc agttgccttc attatattaa ctgagtttta
60aatttgccgg ggggaagcta tttacctta tgcagggaac ttaacaaggc ctaatattaa
120cctttatttt atttttaggg agttactttt ggctgcagga cctcgg
166

166

<210> 2516<211> 415<212> DNA<213> Homo sapien

ggcacgagga gagagagaga actagtctcg agagcagnnn nntttttttt tttttttttt
60ttgggggtttt ggggttgggc caataaaaaa actttttttt ttacaacaat ttaccccc
120cctttttacc ctttttttcc ccccggggtt aaaaggggga aaactcttgg ggggttttcc
180ccccctttt aaaaaaggaa acccccctt tttaaaccgt gtttttttcc ccccctccga
240ggagggggaa ttttactcca aaaaccctt ttttttaaaa aaaaaaacc ctgggggaat
300ttttttttt ccgggtttta aagaccccc aaaaaaaaaa aagggttttc cccacattt
360tgtggcgggg aaaaaaacc ccccttttt tttttcccc cctcaaaagg ggccc
415

415

<210> 2517<211> 416<212> DNA<213> Homo sapien

cggttgctgc gaagaatagg agagaataga ttatgctctt ttaaacctga gagaggggtg
60ctctccttaa atagtatat agagccttaa atgcattttt gttgttgttg ttgatcactt
120acagaaatag ccagaggtta tggattcct cttaccaa atgaggatta gctctgtaga
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240tatatgagag gcagtttaag gtgcttcac aactgtggat ggaatcctca aagtccagtc
300tctgattggc tgccaggggc ctaaacaggt tgaatatatt aatcaactat acaggagtca
360accatcccaa gagttaaaga attgcataga tcctttagtt taagggaata aaaatn

416

<210> 2518<211> 413<212> DNA<213> Homo sapien

ccatcgattc gaattccgtt gctgtcggcc tcatttgcta tcccagcadc tcttaaaact
60ttgtagtctt ggaattcatg acagaggcaa atgactcctg cttacttat gaagaaagt
120aaaacatgaa tcttgggagt ctacatttct ttatcaccag gagctggact gccatctcct
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240aggcctgagg tcggcgagct gcctgaggct aggaattcaa gaccagcctg gccaacatgg
300caaaacccca tctctactaa aaataaaaaa attattagct gggcatgggt gtgtgtgctt
360gtaatcccag ctactcanga ggatgaggca ggagacctgc ttgaacctgg agg

413

<210> 2519<211> 416<212> DNA<213> Homo sapien

ggcagcagat tttaatcagc tatgtcattt ctgcgtctcg ttgtatactc ctggaaggct
60tttagagaaat cctgccaaaga aaatatcccc tgggtaatcc tcggggcact agtccacgcc
120gcactgtcag caagtatctg ctgaaacaag ttttttgaa tctttagctt ttctgtagct
180ccagtctttt taaagtactt cttttgacct tcaagtaaca acgagcactt gctttaaaat
240tctgacagtc ttccaagcct tttacattc ttattccact aaataagctg tcgccgctca
300ctgggacagg cagcacagtt gcttgaacgc ccggcttgaa attccacgaa atgtcacctc
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416

<210> 2520<211> 413<212> DNA<213> Homo sapien

cgttgctgtc ggaagaattc gcggccgcag gaggtttcca gtcccagcta cccgggaggc
60tgccgcaaga ggattgcttg agcccaggag ttccagttcca acctgggcaa aagagtgaga
120ccccatctct aaaacaaaaa aggtacctta gaaggtcacc tgggtggcta accttttaaa
180ggcaggggag tgacacgtag gacacattgg gaatgtcttg gctactacat gtacgttct
240gggatatatg tgcccagagg gagaagcact gaggctgaag aaactagatg agtctcagaa
300ccacagaccg gccagaaatc tctccacca ttatatcagc gtgatacagg tctacattca
360tttctacaaa caggaacaag ttccttgacg caataatatt attttatgac ttg

413

<210> 2521<211> 166<212> DNA<213> Homo sapien

atataccctg tctcactttc cagaggtagc agtcaactaa actgggggtga gtgattttac
60tcaaaggaaa tcacactatt aagcagcttg gttttgacat gttatgttgg ggtcatcttt
120tcatgtcaat acatagatta atcttttatt tcaaagtctt acataa

166

<210> 2522<211> 413<212> DNA<213> Homo sapien

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120gaggggtatct ctttagctat gttttagggc catacattta ctctatcaa tgatcttttc
180tccatccccc aggtgtgct tatttctagt gccttgctct cactcctgct ctctacagag
240ccagcctggc ctgggcattg taaacagctt ttcctttttc tcttactgtt ttctctacag
300gcctttatat ttcataccat ctctgcctta taagtggntt agtgctcagt tggctctagt
360aaccagagga cacagaaagt atcttttgga aagtttagcc acctgtgctt tct

413

<210> 2523<211> 416<212> DNA<213> Homo sapien

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120cggcgagagc acccaccctg accggctgct ggatgagggc accaaagctc gctagggagg
180gtctgtcct tagggaggag ctgcggaatc cctgcagctg tgccccagc cctgccttg
240cacatttctt gcagccaggc cggccctggg gaggtcaggc caggccgggg aggtgaggc
300ccacctgcca tagtgnagc gtgcgggagc cagggcggca gtggcctcgg ggctgggtgg
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416

<210> 2524<211> 414<212> DNA<213> Homo sapien

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60gctagttggg aggtgagggt gggaaaatca ctttgccag gatataaac cgcgatggag
120ctatgattgc accactgcac tccaggcaac agagtggagc cctgtcttaa aaaaagaagg
180gagaaagtgt caaatggtga tgaggctctg gggggaaata gagaatgggg atcacgagtg

240tgatggtgg tattccctca ccaagatgtg acatgtaagc acgccgctgg gaggagaggg
300tgcgacccgc gtggaatttc cacaaccacc ctccgtcgtg aggccacacc caatgcagag
360gccgagagggc gggcacccca atccccgga actgggattg tgaaggctag gtcc

414

<210> 2525<211> 413<212> DNA<213> Homo sapien

ctgaccagct ggacgccatg ctggactgag cctccagca gtgcccactg tgacctgccg
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120ggctggtcag gctgaagtgc cctccttagc agggccctt cccactcagc ccgaggctgt
180gggcaccaca gctcttggtg ggcagcccac cttagaacct gactagcgag ggacctccgc
240tgcattctcag caaagccctt cccaggggtt gatcgattga gcaggacagc cctgtcctg
300gacagggacc ctggtaagag ctctctcttc agggaggaag taggggtggg ggctttgggg
360tgctttctct gtacccccca gcccatgtcc caagttgtgc caagggaatg cct

413

<210> 2526<211> 416<212> DNA<213> Homo sapien

cggtgctgtc ggtaagtgc attcttttgg tggctcgatg ttaccctcat attttcagca
60ctaatttttag ggatacagtt gatataatag ttggatggca tagagatcat actcagaaa
120cttgcgtcac gcagcaggta tctgggtggt tgcagagttt ggagccattt tgggtagctg
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240aggacctcag ccatgtggcc tctggggaat cagtggatga agacgtccct cctccatcag
300tgtcatcacc aaagctggct gcgcttctcc gggatttagt tactgtgctg aggagcattg
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416

<210> 2527<211> 408<212> DNA<213> Homo sapien

ggcacgaggg gagaggccgc ttgcatgacc ctgacatcgg cagcgggagc ggcgccaga
60ctctcttggg agtttaggat atttcacagt tctgaatgtt agccactgaa aatgccagta
120gatgatgaag cctctgaaga tgacacggat tcatttttct caaacagccc aagaaccttt
180attttccaat aagagaatat aacaatttct gtacactatg gaagagtttg acttggtgaa
240aaccttacac aaaacttcat cttctgtagg atctgatgaa aattctcttc attctcttg
300actgaactta aatactgata ggtaagaatg ggatttaaaa aaaatgtacc aaatcagaat
360aaccttattt gcatacgttt atcaacttat ccaaatagtg tcgtagtg

408

<210> 2528<211> 409<212> DNA<213> Homo sapien

ggcacgagat tctgtggtgt cctagaagca ttattggtag gttctaaagt tttctagact
60ttcctgtcaa ttgtaagtaa ttgtgatata ttctatgcag tggatgaatg ttctttaa
120ttgtgtaaat acttctgcaa aggtactgat gctgtaaagt caaacagtt ttgtggaact
180gtgaattttt tttctttttt cttttttttt tcctttttt tttggaataa acccccttga
240aaaaccaatt ttgctgcctg aaaaagaagg gaaaaaaaa cccagtgct ttttttaaaa
300aaaaaccttt tggaagggat ttttgggttt tccttaacat gaacccctt gaaacgttg
360gcgggccaac ctcaaagctg ggacaaaatt tttttttttt ggaaatgga

409

<210> 2529<211> 408<212> DNA<213> Homo sapien

ggcacgagaa caatatgagg tacagaaaga aaatgacaat ttgataactc ccattacaaa
60gaaaagaatt actgagttca taggctgcca ttcaacgtgt taggaacagg gtagagctgt
120gaggcacctt tattgctgag gaaatggaag agttgaatag gatttaggga tgaggatact
180gtggagaatg ggatcaccca agggagttga gttgattgga tttgagggtc tgggagaagg
240tcaaggatta ctccagtttc cttctagagc ctctgggtgc aggtaggggc agtcatgtg
300ctattggagt gtgacagaag agagaatgtg aggtttagtt gtggcacaga ggagaacctg
360tggagtggag ttgtgtctac ccgtctaggc ttcaggggagc cgaagact

408

<210> 2530<211> 165<212> DNA<213> Homo sapien

ctcccttggc gatctgcagg aacactagta atgactggaa ttactccgtg atctttgatg
60actattacac ataacagcac tctagcacct tttcttactg gcatggactt cctcatggac
120tgctacttca tggatgatag cttcattgct ttgggtaggg attta

165

<210> 2531<211> 409<212> DNA<213> Homo sapien

ggcacgagaa agaatagaga gaaagggagc cgctgtgctg gtgggtgaca ctgcagagga

60gtaagtcttg tgtcaaagca ggaatctgat cagaggttca gaattggaag tacaatttca
120ttgcttttgc aatttctaca aattaatttt aaagtgtcag aaaaagggtga cggcaaggac
180atgcattgca atttgcaggg ggaattgtca agtgaggact tcatcacata tgacacgaga
240gaaaagtaag agctggttct aaaatcaaaa gctgtgttcc atcctgaatt gaattttctg
300aatttgggtg gagcagagtc gctttgaagc cttggtccga tctaattcta ttgtattggt
360gatgataagt gttgacattg ggtagtgtaa agcaacaagc atgtcttgt

409

<210> 2532<211> 409<212> DNA<213> Homo sapien

ggcacgaggt ttctcaagga ccttgaggac cccagaagcc cttgcagcag gaaaggctgt
60aagggggggt cagcctaggg caggacctag ggaggggaac tttcttgata catatttgc
120ttttcatccc atctagcaag cacagtgtta attttagaaa ttatagaaga aaaaatcagc
180aaggagtgtg ggaaaactgc atgccccagg cctccccgcg cccagggtga attggaagcc
240ctggaatggg ccgaggcaca ccaggcagct gatctgggtg catgtgggcc acagaccact
300ctcacaaggt taaatcttta acaagagcct catgtttgtt aggagaaggt gggacccag
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409

<210> 2533<211> 412<212> DNA<213> Homo sapien

ttttcggcac gaggagagag agagagttag agagttagat atgagagaga gagagagaga
60gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga
120gagagagaga gagagagaga gagagagaga gagagagcgc ccccccccc tctatacacc
180cacacgcgcg cgcccccccc tatctctctc ttctctctca ctgcgcgcac ttttgtgttt
240ctttcgcgcg cgcgctctct ccccccccc cccctcactc tcgccccccc ccccccttc
300ctttgcgcgc ccccccccat atatctctct ccccccccc cctctctttt tctgtgtgtg
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412

<210> 2534<211> 411<212> DNA<213> Homo sapien

cggtgctgtc ggcgctgtgt ctgcctggg gtaggggtgt gtctgtcag ccgtgggggc
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120ttctctggtg gggcctgcaa acctgccta ccaaacctga aagagggtcg gctcatctcg
180gaacccgctg cgtgccaaag caggcacgag gaggtggcag gcatcccgac ccccggtggg
240cctgtgttct agagtgcaga gacagaactg gctgggaggt gcggggcatt ggattgtacc
300agtgtggtgg aggagagcaa agcaggggaa ggtctcgga gcgccaggt gtggccgaga
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411

<210> 2535<211> 406<212> DNA<213> Homo sapien

ggcacgagcc tacaagttt gtatagcaag cctctttctc cccttggtg gtgcctcctg
60accgaggttc tatgtctttg acattctacc tccagtattg cttttgtact tcagagatct
120cttctgttgt tagagaaatg gctgcaaagt gaacataggg agttctttgt tgttgttatt
180aaagatatgt atatttctctg taaacagcta agtctgttta gatcctagga catggcattt
240atatagcaga atattattta aatatatttc atctcgtgac ccattagcca ccaagtatgc
300ttccttaggt aattttttaca tagtagtacc atgcccagct ggatagagtt gccttgaaga
360agtgatattt acaataaaac aaaattttac aatatttaca atanag

406

<210> 2536<211> 404<212> DNA<213> Homo sapien

cggtgctgtc ggaagaattc gccgccgcat gagannnnnn tttttttttt ttttttttt
60ttgggggttt tttttaacca aaagggcctt cccccgtttt tttttaaac gggtttggg
120gtttaccccc agcccccttt tttttgggaa aaaaaaaccc ctccctcttt ttaaaaaaaa
180cccttttctt tttttttttt ttttaaaaaa aaaaaagggg gggggggaaa aaaaaaaa
240aagggggggg ccccccccc cccccctttt ttttaggggg gggcttttgt ttttttaaaa
300aagttttttc ccgggggggc cttttttatt ttccccctta aaacccccat tgggggggga
360acggccccgc ccccaaacag aggggggaaa aatttttttt tttc

404

<210> 2537<211> 403<212> DNA<213> Homo sapien

ggcacgaggg ggtggctttg atttcggcga tgagctccca gaaaggcaac gtggctcgtt
60ccagacctca gaagcaccag aatacgttta gcttcaaaaa tgacaagttc gataaaagt
120tcagaccaa gaaaattaat gcaaaacttc atgatggagt atgtcagcgc tgtaaaagaag

180ttctttagtg gcggtgtaaaa tacagcaaata acaaaccatt atcaaacct aaaaagtgtg
240ttaaatgttt acaaaagaca gtgaaggatt cttatcacat aatgtgcagg ccatgtgcct
300gtgaacttga agtttgcgca aatgtggaa agaaagaaga cattgttatt ccgttgaata
360aagaacaga aaaaatagaa catactgaaa ataactaag ttn

403

<210> 2538<211> 403<212> DNA<213> Homo sapien

ggcacgaggc agaattgtact gagccacccc cttctttttc tttttaccct ttttgggttc
60attttcactt aaattgctta cttccaagag gtagatggtg cagtgcagtg agattgagcc
120attgcactcc agcctatgca gcacgagtga gactacgtct tacaaaaaaa aaaaaaaatc
180tcggccctta aaacctttat ggtgtgtttt aagttcaagc ggaagtggga aaagtccttt
240gttggttttg gaccaaccac acttaaatgc cggcgaaaaa accgcttttt tgggaaaatt
300ggggacccta tgggttttatt taaagccctt ataggcgaga aaaaacaggt tagcaacaaa
360agtgtggttc ttttaattgtt ccaggttagg gggaaggggg ggc

403

<210> 2539<211> 406<212> DNA<213> Homo sapien

ggcacgagaa ctagtctncc cagcaaccgt tccgtgtttt cttttcttc ttttaaaaaa
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120cggggccccc agaaaaaccc gagaaaattt ttgtgttaaa aaacacaaga ttttggcccc
180ccccagggt ttttgggggt ttggccaaaa cctcccttc tttggggggg cccttccccc
240ccccgggggt tttaccccc aaaaaaaat tggggggggg gaggaactt tccctttttt
300cccccccgcg gggggtttt aaaaaagat atgggggggg ggccccctcc tcctacccca
360ggaaaacctt tgggggcccc ccttaaaacc aggaggggtc agagcc

406

<210> 2540<211> 405<212> DNA<213> Homo sapien

ggcacgagca aaaatacaaa aattagccag gcgtgggtgt gcacgtctgt aatcccagct
60gctcgggagg ctgaggcagg agaattcactt gaaccaggga ggtggagggt gcagtgcagc
120aagattgcac cactgcactc cagcctgggc gacagagtga gactccatct tggggggaaa
180aaagtatata tatatacaca cacacagaca cacacacaca cacatatatc tctaaatgtg
240tgtatagaac cttttatcag tataacattg atttataatt aaatgtgggt gaggaagaat
300gtgtggagt tttcagaaat tttgatccta aaagccttt cagaaactca aagctttcag
360aaattaatag ttatattaat agccttctaa acagcattaa gtttt

405

<210> 2541<211> 403<212> DNA<213> Homo sapien

ggcacgagct atctttattt tgggcacact atagcttttg ttaattattt ctttgcactt
60gttagaatct gtttttgaaa aaaaaaaaaa aaaccttttg ctttgattcg gggggactcc
120cccttcttaa aaaaccaatt ttaaaggata ttaggatgga ctttcaaacc caatatcttg
180aaaggcgatt tttaaaaaat tttagctcct gcctcccaa ttaggttaac ttggaccaga
240aaataggcgg agagccccc aatagagggt aacttaccta tttaaacgtg atctttcgac
300tttaaaaaaa aatgaaggcc cgtcaaagc ttccttagag ggcgcttatg acaaaaaaaa
360aaccttagga tgtccaaatc tattcctgag aactttctaa gat

403

<210> 2542<211> 407<212> DNA<213> Homo sapien

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120acccttggca gttggaagga cttttcccaa gggccaaagg ggagtggaag tccaaccggc
180cttgggttaat aaccattact tttccccag ggaaggacca aacggattct tttttctct
240cctcaagcct cccaaacaaa aggtaaacca gcctgggcct attttaagtt ggacctggcc
300aaaccaagga tttttttaat aaaaaattta aaaggtccac cattagaacc cggataattt
360ttacccatt ttctttggcc cttatttttt aaccctcca agaagcg

407

<210> 2543<211> 406<212> DNA<213> Homo sapien

ggnangagtt ccgagccgcc gtaagactgg ttccggcggg ctggtgagga atggagccgg
60taggctgctg cggcgagtgc cggggtcct ccgtagacc gcggagcacc ttcgtgttga
120gtaacctggc ggaggtggtg gagcgtgtgc tcaccttct gcccgccaag gcgtgtctgc
180gggtggcctg aatgttcgca tcttaccaca tacagttctt tacatggctg attcagaaac
240tttcattagt ctggaagagt gtcgtggcca taagagagca aggaaaagaa ctagtatgga

300aacagcactt gcccttgaga agctattccc caaacaatgc caagtccttg ggattgtgac
360cccaggaatt gtagtgactc caatgggac aggtagcaat cgacct

406

<210> 2544<211> 403<212> DNA<213> Homo sapien

nnctcggcac gagaatccat tcccagggc ctcccggctt gtcccagccc ctcttttgct
60tctgaccacg gaggttttct cacagcccag cctgcctgaa gcaaaggagg ctcccgtgtc
120ctgggcagct tctgtttccc tctgtgcctt gggagctgag gcacccgtgc cagtggcaga
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240agggctctgtg ttctccagga gaatgagggg gttgggtccca gaattgggac cggggccccc
300ctggccagcc ctgggccact tcccgggtct ccattgtgcg tgggtggcgt gttccaggcg
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403

<210> 2545<211> 403<212> DNA<213> Homo sapien

cggtgtgtgc gaagacctgc ctccatcctt ggcagcccag cctgagaccg ttgcattgag
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120cactgggccc cctcccctgc tgggcaatcc tgggaaggct tggaggttcc tgtggacctc
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240ctcttttccct cccctctggt ctccattctc ttcagctccc tacatgggct ggggaggaga
300cacctggtgg gcagagctca ggcagaggtt tggatttcag ctccctcact tccggggctg
360tgtggctttg gcagatgtca gacttctggt cttgcttctc cac

403

<210> 2546<211> 404<212> DNA<213> Homo sapien

ggcacgaggg caagaggact cagactgtgg aacttccgtg cccccaccc tcaccaaggt
60taaatgcctc cctctcggtt catcctgaga aagatgagtt aatccttttt ggaggtgaat
120atttcaacgg ccaaaaaact tttttgtata acgagctcta tgtctacaat accagaaagg
180acacctggac caaagttgac ataccagtc cacctcagag gcgctgtgct caccacgcgg
240gggtagtgcc tcaagggtggc ggacagctgt gggctcttgg aggggagttt gcctctccca
300acggagagca gatctaccac tacaaggatc tctgggtcct gcatttgccc accaagacct
360gggaacaagt caactggcca tgtccacgac caaatctgcc tttt

404

<210> 2547<211> 402<212> DNA<213> Homo sapien

ggcacgagat aattcagtggt catctcatgt agatgtacca ctttcttatt gcaactcaga
60gtgcaattgt gatgaaagtc agtgggaacc agtctgtggg aacaatggaa taacttacct
120gtcaccttgt ctagcaggat gcaaatcctc aagtgggtatt aaaaagcata cagtgtttta
180taactgtagt tgtgtggaag taactggtct ccagaacaga aattactcag cgcacttgtg
240tgaatgcccc agagataata cttgtacaag gaaatttttc atctatgttg caattcaagt
300cataaactct ttgttctctg caacaggagg taccacattt atcttgttga ctgtgaagat
360tgctcaacct gaattgaaag cacttgcaat ggggtttccag tc

402

<210> 2548<211> 399<212> DNA<213> Homo sapien

cggtgtgtgc ggtgtggggg tggagtggct cttgcccacg cctctcacct ctgccttcat
60ttgtgtgtgcc accctgcccc tccctcgtcc tctctcccg ctctctctc tctgtgtgcc
120tcagtctcct gccggaagaa atgggttgag cccgaaagga ggctgtctga ggaagggaga
180gggagggcct ggggtgtttn tnnnnntntt tnnntttnta ctttctttt ttttcttcc
240ttcccttatt tcttctctt tcttttccac tctctccctt ctcttactt ctatctccc
300ctgtttcttc ttgcccctt taatttacct ttcattccct ctttttccac ttcaactcac
360ataattaatt ttctcttccc ataactttaa cccatgtat

399

<210> 2549<211> 398<212> DNA<213> Homo sapien

cggtgtgtgc ggccatgttg ccagactgg ttttgaactc ctggcctcag gtgatctgcc
60caccttggcc tcccaaagt ctgggattac aggtgtgagc caccgcacct ggccagaccg
120cttcacttgt aaaagaaatt aggctaataa gaaggtgtag ttttgagaa atgaaattta
180acttttagcct tttcactagt aaatagtcac atctcatttt ctcccttgtt aaaatgggg
240tactactggc cctacctcat attctatgag aatgagtttg tagctgtttc aaatcatgaa
300gtgcatagta tcacatgtga tagaatattt ataacttttt attagatgct taatgttcaa
360ttaagtaatt ttgatgtgaa aaataaaagt aataaaaag

398

<210> 2550<211> 401<212> DNA<213> Homo sapien

ggcacgaggt actgcttcct ccaaccaggt ggagaatcct ggcaagcact acctcagcca
60gagatttaaat gttgatagta aatgcatgta gaaatggatc catctggaaa catagagata
120ggaaaacatg attcttttac tttttttttt tttttttaag ggaaggggct aattttgtca
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240aagggccctt ccacctaagc ctcttgaaaa gtaagggata aatggaaagg ttttttttta
300ttggatcttc ttattgggcc acgggggacc ctgaaaaaaa ttttcgggcc gggctggggg
360gttaacacct ggggccccac cacttgggga ggctggggcg n
401

401

<210> 2551<211> 395<212> DNA<213> Homo sapien

ggcacgagga ggcagtgtg atagtgtgt tcgggctctt cccacgaaac tcggctctgc
60acagttagac ctcatttcct ggttctgttt gatgagttag cgaatgcaca tggcaggcgg
120tcagtctcct tgggctgtg aggtgaggaa gggctcctga gccctgtggg gatagagact
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240tgggagacag accatctctc tcagcgggtc cagccatgag ccagcagact gtttccatt
300ggccccatc tttcagagtg ggatgatctt tctaacaag aaaccacac aggaatttgg
360cgtgtgtg catgtgtgta ttaccttga ggatg

395

<210> 2552<211> 396<212> DNA<213> Homo sapien

gagtgataga acataccaac gttaccaaga aatttacaag ctgctggctt taagcttatg
60caagtggtag ttgggaaagt aggaggtgtg gaagaggggt tgcattttgg attaatcat
120gcaaatgaa ggaggaagcc tggcttaaga agatactgtc tttcaataga aatgatttct
180aaactgtac agattaagaa tagataatct gattgctgtt gttttgtttg tttggaaaga
240aaaaaatgt ctggcttctt ctactatttg ttttactac caaactgtgt tactaaattt
300cttgtcatcc ttgtatgtaa aatgggtgct ggggggtggag ggggtataaga ggaggagag
360tcataagag tgtgtatggc tttgatggca ctgggt

396

<210> 2553<211> 398<212> DNA<213> Homo sapien

ggcacgaggg aggctacaga tgcccctgag caagtcgagg agattctgga tcacagttag
60cagcaggcac gccctgctcg tgtaaatgga ggcaccgatg aggagaatgg tgaggagctg
120cagcagggtta ataagttagt tcaactggct ctagacaagg aaagaaagtc tcaaggagct
180ggcagtgagc aagatgaggg tgatgtagac cctcaaagac caccaaggcc agaagtataa
240attaccagtc cagaagaaaa tgaaaacaac caacaaaaca aggactatgc tgccgtggct
300tanaacattt ttaaaaagag agtatatgga tcgcaagaaa aatgaagggt tatcatactt
360gaaagataag cacatagtta ttgctgaata taatgttg

398

<210> 2554<211> 395<212> DNA<213> Homo sapien

ctcaagtttc ttgagttgct gcttgtaaac acccagcttt taactgagtg tttgctcctg
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120ctccgtggat gtgagtttga aacaagcacg gtacagtaat cctgcctgat agagttagtct
180ggaatgagaa ttactttttg ggtgagagag ttctccattt taatgtttct aaagttttct
240atatgaactt ggcattggaa aaggagggtg aagaaaaagg acgtttacta aaagcagtg
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360gttttgtgtt gccatgttaa gcatggagag ggatg

395

<210> 2555<211> 398<212> DNA<213> Homo sapien

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120tccccgccaa gagctctgcc agggcgggc aaaaaaagt aaaaagaaaa gaaaaaaaaa
180aggaaccaac cccctctac atattatgga aagaaaatat tttggccgat cctaattctt
240ttataattat gcggggaaaa agtaaaccca ttaaacgatt ccagttggaa acaaaaaaaa
300aacctttaa aactataggg ggccggttcc cgtaaaccca aactggataa aaaccttgga
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398

<210> 2556<211> 398<212> DNA<213> Homo sapien

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120ctcagagatc tagacagatg gagtctttac tatcttatga tgttgctgct tcaacacaca
180gcttctagag ttctgtgtgg gggataaggt gtaaaaact taaactttct cttaaagtct
240ttggccctgg ctagcatcag tcctatgaat ctctctcagt gctagggagt tgggatgtgc
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398

<210> 2557<211> 401<212> DNA<213> Homo sapien

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120cttttaaactc taccattcat tatgtggtaa ctgtattgaa ctactttat ttggatttta
180ttttaatgtg actagatgct accacttcaa aaaatcaatt tgttcttaga acctgggtga
240aaataccagg aaactgttac agactccatt tcaaaaaaaaa aaaaaaaaaa aaaaaacccc
300ttggagcctg ggggggggctc caaaaaaac ccccattttg ctgaaagggg ttttttaaaa
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401

<210> 2558<211> 400<212> DNA<213> Homo sapien

ggcacgagac ctggccctct gggaagtcta ccagtggcaa aaaggacaga tgcagaagca
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120ggacgccatc tgccagcaga actttgactg gcgggtctgt ggtgttcacg gcacttctc
180cggcaagggg agctactttg cccgagatgc tgcataatcc caccactaca gcaaatccga
240cacgcagacc cacacgatgt tcctggcccg ggtgctggtg ggcgagttcg tcaggggcaa
300tgctccttt gtccgtccgc cggccaagga gggctggagc aacgccttct atgatagctg
360cgtgaacagt gtgtccgacc cctccatctt tgtgatcttt

400

<210> 2559<211> 400<212> DNA<213> Homo sapien

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120ttcatacagg tcttatacag ttctagtgt ttatatctac agattttatc tttttgttg
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240caccctctcc acatttgatt gatagacttc ttgatccctt ttgattctc ttccctaccc
300ccaagcaggg atttgaatat taattttttc attgagatat aattcacata ccataaaatc
360aatcctttta aagtatgtaa ttcagtaggt ttaatatag

400

<210> 2560<211> 396<212> DNA<213> Homo sapien

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120ccaccgccc tggaagccc ttttgaaag cctatacggc tcagacatcc gagagcatga
180ccccactgc cacttcagag acttatttga aagctttggc cgattgccat ggacctctg
240accactatga ttttctgac aaagtcacg agctaaagga tgatgaacat caaagaagag
300tcatacagt tttgcagaaa ttacacgagg accttaaagg atacaatata gaggcagaag
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396

<210> 2561<211> 397<212> DNA<213> Homo sapien

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60ctgggagcag cctggagcc cactcccgag aagcccggtg tggggcgagg ccacggggga
120gatcccaagc tcagtccca caaagttag ggcggctcg aggcaggggc aggtccgggt
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240acccagggg cctgccttag gcctccaact tcaggggggt gggtaaaggg cgccgctca
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397

<210> 2562<211> 401<212> DNA<213> Homo sapien

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120aacacagcgc tgcacgaggc tgtgattgaa aagcacgtct tcgtggtaga gctgcttctg
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240gaacagaatt caaaaataat ggaattgctt caggtggtag caagctgtgt tgcttcatta
300gatgatgtgg ctgaaactga ccgcaaggag tatgtcactg ttaagatcag gaaaaaatgg
360aactcaaaac tgtatgatct accagatgag ccttttaca g

401

<210> 2563<211> 391<212> DNA<213> Homo sapien

ggcacgaggt taatacaagt aaaatactta agacagtaca tggcacatag taaatactgt
60ttaaatatta actgcaatta ttattattat catcattatt gcagtctgag atatctggcc
120tgaatttatac aagttaggaa gctctgtcat tgcacagaaa taccttgttc tcaggagagt
180cactaaccga agtgcttctg taaacaaggg acataagcag agaaggggta tgtaagtaca
240gaaaactcat gattacctgg ggaatagtta aatagatttt aggtattagn tggttttttt
300ttcctctctc tctctttggg ggaatttttc tgtttactga gtcattcttc attaaggggt
360gaggtgtcaa aaattagaca aaacaaacta g

391

<210> 2564<211> 394<212> DNA<213> Homo sapien

cggtgtgtgc ggcaatggcg tgatctctgc tcaccgcaac ctccgacctc tgggttcaag
60agattctcct gcctccgct cccaagtagc tgggattaca ggcagcgcc accacgctg
120gctaattttg ttttttagt agagatgggg tttctccatg ttggtcaggc tggctctcaa
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240agccaccgag ccggctgcct taaatctatt tatctgactg tcccaactag gaaattttt
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360gntcctatct cccttcaatc tattcttcat attg

394

<210> 2565<211> 393<212> DNA<213> Homo sapien

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120actaaaaata cacaattatc caggtgtagt ggcgcatgcc tataatccca gctacttagg
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300aaaaaattgc aaatgtagt caccctgtta tgtttcatga ctctgaaagt gttatgtgtt
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393

<210> 2566<211> 394<212> DNA<213> Homo sapien

atccgttgct gtcgattcag aaactgattt tacttttatt gcagtacaaa ttatattatt
60aagcaggggt cttgttcagc catgaaatgc agatgggctg tttaatatgc acatacatga
120cattttttat taattttggg ggtcattaca atgagttgaa tttaaaaagt ggggttaatgc
180tttataatat tgtattttga acaacaccac tcttattcat tttaaaaatg cccactgtga
240cagaaatatt acaatttcat gtttagttaa gcaaaataag caaaactggg agaatttaag
300gtggcatctt atttactgct ttccagtagg attataatta aaaatttact gaatgaagtg
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394

<210> 2567<211> 391<212> DNA<213> Homo sapien

ctgaggtcac ctcttgaggt gaggtctgg agtgaagccc agcccggcag ggtcatctgg
60gccacagac cacaccccg g taccgggttg caagggtctc ctgccgggag tttccaacta
120gtcactgggtg tggctttttc tttcatgcag cgagtctgac agtgacctaa agcctgtggg
180ggcgggaatt cagcatctcc agaagctgtc ccaagagcta gatgaagcca ttatggcgga
240agagagtggg gacatcgtct ctctcattca tgactgagga agtgccctgca ggaacaagc
300cctgtctgac cgccaaggct tcatactcaa ggatgtctat gcttccccgt gagcttctct
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391

<210> 2568<211> 392<212> DNA<213> Homo sapien

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60cggctgggct ggggagggga cagccgccac ctacgggtta ttttccctc tccccttccc
120tccccgccaa gagctctgcc agggcgggc aaaaaaagt aaaaagaaaa gaaaaaaaaa
180aagaaccaac ccacctctac atattatgga aagaaaatat tttggccgat ccttattctt

240ttataattat gcggggaaaa agtagaccca ttaaagcatt ccagtgggaa acaaaaaaaaa
300aacctctaa acctataggg agccgtttta cgtaaaccca aactggataa aatccttgga
360ggagttgggc caacccccac ctaaaaggcg gg

392

<210> 2569<211> 393<212> DNA<213> Homo sapien

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60agatcgcgcc actgcactcc agcctgggca acagagcaag attctgtctc aaaaaaaaaac
120aaaacaaaac aaccccccaa aaaaaccaa ttaacattct ttcaccccg atttcctaga
180ctttatttta gctataacaa gcaaacacc tcttccatc cttctaaaag cgtgttcctg
240aaacctcact tggagagttt tacggaaatg cagcgacagg actggaaata atgacagcaa
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393

<210> 2570<211> 393<212> DNA<213> Homo sapien

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120acaaggtttt cctggaaacc ttttcaagaa aaagtaaacc aggttggttt ttgaaccttt
180ggccattttt tttttttaa aaaagcaaaa tccagcccc aatccttttg aagggttttg
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393

<210> 2571<211> 391<212> DNA<213> Homo sapien

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120ggttaggaatg tacctggtga tatgaggcaa ggacagggga gctggggcag gtgatgcagg
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391

<210> 2572<211> 394<212> DNA<213> Homo sapien

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120aaaccagggc cctctttttt aaatattccg ggtaccccaa gcgggccagg gggttttggg
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300tccatagacg ggaaagccag ccccttcccc ttgtaaaaag ggggagccaa aatttcctga
360cctcttgggg gttaaaaaaa ctcttacggt gggg

394

<210> 2573<211> 391<212> DNA<213> Homo sapien

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120cactgggccc cctcccctgc tgggcaatcc tgggaaggct tggaggttcc tgtggacctc
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240ctctttccct cccctctggt ctccattctc ttcagctccc tacatgggct ggggaggaga
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391

<210> 2574<211> 391<212> DNA<213> Homo sapien

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120gaactttcag agaaaccagc tgagtctgtc acttctaaaa agacaggacc ccttagtgcc
180cagccctctg ttgaaaaaga gaacttgga atagaaagtc aatcgaaaac tcagaaaaaa
240gggaagatat ctcatgacaa aaggaagaaa tcaagaagta aagccatagg ctcatgact
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391

<210> 2575<211> 392<212> DNA<213> Homo sapien

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120ggaggcctct ctgcgcttca ctctgccggg ctccggcact gaggggccc ccaagcaaga
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300cttcgccttc cgggaggaca agcagaggaa gctgcagcag atccaggatg ccagaaacca
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392

<210> 2576<211> 391<212> DNA<213> Homo sapien

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120acatgtctaa ttatgatgaa gaaggagcat ggctgttct tattgatgac ttgttggaa
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240tagaatgtac atagtctgta caataaatac aacagaaaat tgcacagtca atttctgctg
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391

<210> 2577<211> 392<212> DNA<213> Homo sapien

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120accatgtgtg gctacaaaac tatcgacaag gagcgtttca gtgtgcagga tgtcatctac
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392

<210> 2578<211> 392<212> DNA<213> Homo sapien

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120atcgcaacct tgggtgtggc ccagctgctc ctggtgcagt ggaagcagag gcacccacgc
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392

<210> 2579<211> 384<212> DNA<213> Homo sapien

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60taaaagataa aagaagtaga gaaattgaaa ggaaaaagag cccagagatt gttacctttt
120tatcaagcaa cagcatgcc acaactttgc ataaataaaa aataataacc tgagcctttc
180atcttgggaa tctaataaaa taaatgtgtg ctgttttccc cattagccct caccttagcc
240agcccttaca ttgtggacag aggagtgtg tcatattttg tgagctagat gactggctca
300gtagggtgccg tgtggttctc aagaagattg taggtcttgc cattgcgtct tgtgtctctt
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384

<210> 2580<211> 385<212> DNA<213> Homo sapien

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120ataaggaata cacatacacc cacatgcaca caccatagtt tttatacaaa cagcaataac
180aaaacaaaa agatgcccct tttttttag ggataagaaa tacatttgtt ttatacttct
240atgctatatt ttgctattca aaatttagtg ggcattactt aacattgttt ctaattttt
300tgtggctgct gtatgtttta tgtgttggga gccattgta ttaggccgtt cttggattgc
360tataaagaaa tacctgagac tgggt

385

<210> 2581<211> 388<212> DNA<213> Homo sapien
cggtgctgtc ggtgatctgg cagtacatat attcctagta aattcaatca ttcattcgtt
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120ttcaaccatg agcaacattc cttacatctt aatggaggga aacagagctt aaacaaatga
180ctacagatgtt ggaaggaagc agtgctgtaa ggaacctga agtagtgtaa agagagaaag
240cttagtgagg aagggccctt cttttcattt ggtgtcttgt tttctactct tgctcatgaa
300atgttctgag tagcttcaaa tatgttttaa attgaattgt gtagagtcca gtacctctga
360gaggtaactg agtgcagcta ttctaggg
388

<210> 2582<211> 384<212> DNA<213> Homo sapien
ggcacgagga tacaagtgtc tccttgtcat aacccaagag caaaagcagc cttcacttac
60tgtcccatga aacaaaaatt ggatcttttc taagcaacag aacttttagat ggcaagaca
120aagctggcct ttgtccagat gaagatgata tggaaggaga ttctttcttt gatgatccca
180ttcctaagcc agagaaaact tacggtttga ggaaggaacc taggaagcaa gcaggaagtc
240tgccctcgct ctccgatgca ccccccttaa aaagtggact cagctccctg gcgggagccc
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360tcagtataa aattggatca cttg
384

<210> 2583<211> 156<212> DNA<213> Homo sapien
nnctctgatt tgagaaaagg gaggagggga agatagtctg aatggaaatc tgaaatacgg
60aatgttttag agaaatatgt cacttgcata tagaatgtt taattgaggt ataaaataat
120gagacaaagt gaaaaagaaa ttatattcag ataggn
156

<210> 2584<211> 389<212> DNA<213> Homo sapien
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360tctctctggt gatgtcacag tgctgccg
389

<210> 2585<211> 386<212> DNA<213> Homo sapien
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360gctgcaggct ccctgctctc ccctg
386

<210> 2586<211> 385<212> DNA<213> Homo sapien
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180tgaaattgaa attttgactt gctaaaatta cattttttaa acggtagttt tgaatgacat
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300tgttttttgt aatgccataa tgggagctgc agtgttgtgc aggtatcaaa aagcttccca
360gttttcatgt tagtaaaactt ggaag
385

<210> 2587<211> 387<212> DNA<213> Homo sapien
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120tgagcggcat ctgccagcag aactttgact ggcgggtctg tgggtgtcat ggcaacttct
180acggcaaggg gagctacttt gcccagatg ctgcatattc ccaccactac agcaaatccg
240acacgcagac ccacacgatg ttcttgcccc ggggtgctggt gggcgagtgc gtcaggggca

300atgcctcctt tgtccgtccg ccggccaagg agggctggag caacgccttc tatgatagct
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387

<210> 2588<211> 384<212> DNA<213> Homo sapien

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120ctggaggagg agctgagccg agtgaaagca gcggcactca gcgagcgtgg ccaggctgag
180gaggagctga tcaaggccaa gagccaggcc cgcctggagg agcaacagcg cctggctcac
240ctggaggaca agctgagact gctggcgcag gcacgggacg aggcgcaggg cgcttgccca
300cagcagaagc aggtggtggc cgaggcccag acccgggtca gccagctggg cctgcaagtt
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384

<210> 2589<211> 389<212> DNA<213> Homo sapien

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120gatgggttta ataaagtttt tccaatggag aaattaagtt ccttcagcca tgaagaagtc
180caaatgattc tttgtggaaa ccagtcacca tcctgggcag cagaggatat tatcaattac
240actgaacctt agctgggtta tacacgtgac agccttggtt tcctgaggtt tgtgagggtt
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389

<210> 2590<211> 379<212> DNA<213> Homo sapien

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120ttgttggatt aaacacattt caaatggaa agacaaatat tttatttact gacctaaaac
180aacactacct atgaaattca tgcactattg ctttcagatt acttacagga ttatatcaat
240ttaacatttc tttgtgagat taagcatttg aaatccatag tcagagaact attttaata
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379

<210> 2591<211> 379<212> DNA<213> Homo sapien

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60tggtttacag actgatttag aaaaccagaa cggatttcat ttctaattga gggggccaga
120gatgggaaaa tttcttggtc agtccgggga aacacaccta ggtgctgggt atgggcttat
180gaaggaagct aagcacggct gctcactggc cccactttg tttcttgggt aattcacagg
240ggaattccca gtactgtcat ggagcagagc aggcagtggt tgctgatgtg tgtgcatgag
300ctgtatgtac acatgcatat atctgttaca gaagatactc ctggcagtgga ggtgctaagt
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379

<210> 2592<211> 380<212> DNA<213> Homo sapien

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60cagattgctt tgtaactttt cttaggcctt cccccaccc ctttgcccca gtgctttaag
120cccttctttg tcttcttgct gtttctttta ttcttcacgc ctgcggggcg ggggcggggg
180ggcgcccagg acgactcccc gggctcagct tggctgctc cctccttctg taagtgtttt
240ttttttcttc acctgggacc ctctanaggt tggaaagaga agagaggctg ggagcggatg
300gaaagcatga ctgcatctgg agccctggg gggagtggg aagagggagt ggaaggacag
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380

<210> 2593<211> 381<212> DNA<213> Homo sapien

cgttgctgac ggttttaag agatgagctg agaaagaaat gtggaatgga gtatatattga
60ggaggacaaa acataacttc acttttgaac agaaatcact ctgcttgcc agcatgggat
120gtaaaccaag agagtagaaa tatacccatc ttattttaag ttgggtttat ggcatcgctc
180atatatgtaa aagcactaca aactctttaa agaaaattgg gaaactacag agaagtcaaa
240gaaaaaaaa agtaacccat atttctattg ccagggcata atccttgta aaattttggg
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381

<210> 2594<211> 380<212> DNA<213> Homo sapien

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60aggaacagag ctgacatctg agcctcaaaa atccagccca ttgttaacta gattaccaga
120atatcctccg cttctgaaa acattcagta ttttcaagat ccaaggactc agataccctt
180tgaagtccca cagtaccac agacaggata ctatccacca ccttctcctc tgttcagtgt
240aaacttttctt gcggatttct cagagagtgt gagtgggtaca aactttgaag aagatcatct
300ttccattat tctccctggg cttggggcac catcggtcc tgtataaatg ccattgattc
360agagcccaaa gatgtcattg

380

<210> 2595<211> 382<212> DNA<213> Homo sapien

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60agtttcttaa ttttccattt gagatttaac ctctgcttaa tttatttttt taaaaatata
120atgggtcaact aaatgtttcc ttatgaaagt gaaattggga aaagtcaaga taaatcctag
180aaactatttt gttttaagca aaatgagggc ttaaaacttg caacttcttt tccatttgaa
240atttggtctt ctgtggtgct ttgcaactt ttggttggtga tttatcctgt cattcataaa
300ttatggcaca tatgtggag ccaaatctgc cattaataaa attctcacat aattccctac
360attcatttat ttcactaatc at

382

<210> 2596<211> 379<212> DNA<213> Homo sapien

ctccttcaga accccaccca gtgttggaga agcttcggtc cattaataac tataacccca
60aagattttga ctggaatctg aaacatggcc gggttttcat cattaagagc tactctgagg
120acgatattca cgttccatt aagtataata tttggtgcag cacagagcat ggtaacaaga
180gactggatgc tgcttatcgt tccatgaacg ggaaggccc cgtttactta cttttcagt
240tcaacggcag tggacacttc tgtggcgtgg cagaaatgaa atctgctgtg gactacaaca
300catgtgcagg tgtgtggtcc caggacaaat ggaagggtcg ttttgatgtc aggtggattt
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379

<210> 2597<211> 375<212> DNA<213> Homo sapien

cggtgctgtc ggtggtgatc tccttatcta atggatgaat gtcagttatc tccagctttt
60gcaattatag cagtaaatgt agcaaataca aagccatatt gggcttgttg aaaatatctg
120taagataaat tccttgaaat taaaatgatt acgttctctt ctgtggatct tagctggcag
180attccccctta cacacatttt ggcactcttg ccttctttct gcctctcatt ttctgttctt
240actacttaat gccattttgc ttccatcttc tgtcactact gcctctactt ccacttaagc
300tgagaattg aggtggggc ttagacctgg tatgtggagg agagaatgat taattatacc
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375

<210> 2598<211> 378<212> DNA<213> Homo sapien

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120taagtgtagc agttcaaagt tccagctctg gaggcagagt cctgactctg ttaggcagg
180tcttaatctc aactataaaa tgaagttaca aacattgagt gcctcatagg gccagtgtta
240agattaaatg aaataaatat aaaccatttg gcatgggtcc tggagcgtgg ttaagtgtc
300agtacgatga tgtccctgag atcagagatg tgccttagat atctttttga ttcagtacca
360cacataaacc tcagagag

378

<210> 2599<211> 374<212> DNA<213> Homo sapien

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60catctgtact tcttcacat cccattctt acaaaattat tttatttaa aagaaacatt
120tttaactttt tatttttaaa atttgaat taatgattaa aaatgttact tttataaaag
180tgtaaatatt cagtatttaa agataattt taaaaataac cacaatacaa ttttctacc
240taaaaaattt taatgagttt cttagcaaat atccaagcca tttttgtatt tctctgatag
300ttttataaat ctgtatgtat gtgtttagt acttttttga attaagattg aaataagatt
360cataaaatca ctat

374

<210> 2600<211> 375<212> DNA<213> Homo sapien

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60cctgaccccc gtgaggcctg acaggacccc acgcccagcc agcccaggac ccagcctccc
120agccagggtcc cctcccccac cccaccgcag gagactggcc gtccctgccca gcctcgacgt
180ttgtgacaac tggcttcggc cggagccccc tggccaggaa gcccagagtgc agagctggaa
240ggaggaggag aagaaacccc accttcaggg caaaccaggg agacccttgt ccccggccaa
300tgtccctgct ctgcctggcg agacgngac ctccccagtc aggtgcacc ccgactacct
360ctccccggag gagat

375

<210> 2601<211> 377<212> DNA<213> Homo sapien

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120tcctccatgt caagtcccta ttcctacgga atgacttggg aaacatgagg tgagtccact
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240tcagaatcac acatgtatga cagaatgccaa caaagtaact catgctgatg gctgcactgg
300ataaaacaag gctgtgccag aatgccttca ttgtaggaa gggagctcca agtcacggcc
360actaggttgt cttcacc

377

<210> 2602<211> 372<212> DNA<213> Homo sapien

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60gccatcttca tgggcctgcg ggccctcaag atgttcgggc agcggcgcaa cgcgcaggcg
120ttggagctgg cgcacatgct gtactatcgc agtacgtcca acaactcgga gctgtcagg
180gccctggccc tgcgcgcgca ggacgagcac accaaggagg cgtgtctggc tcacagcttc
240ctggcccggc ggccaggggg cactcaaggc tcgcccgaag agacctccag gtggctccgg
300tcggaggtgg agaactggct cctagccaag tcaggctgtg aggtgacctt caacggaact
360cgggacctgg cg

372

<210> 2603<211> 371<212> DNA<213> Homo sapien

ttcaattccg tgctgcttac attttctatc ctttatagga ggccgagctg cagggggggg
60cctgtcttct ggggggagag ggtcctcaaa ggagcggagg cagctggaga cccctggagg
120aatcttgag ggtggggac gtaagacagt cccatggaac aaataagatg gaaacagctg
180caacatata ttttccctt tagagatcca acctattcc attataata aactgagaag
240ttctatatca aatataactg cctgtaacat tttaaattgc ttcaatctga gtttaacacc
300cacctttcct ttcattcttt agcaaataat cttaaagctg tatctaactat gcagtcagaa
360aaattacaat n

371

<210> 2604<211> 353<212> DNA<213> Homo sapien

tatctgtctg gagaagacga cagaagggtg ggtgttacga gattgggaga cttttctcag
60catatctaac agaagagggt atccgaggtg agagtgtgag gcctgggcaa gggttgggag
120gcagttctaa tactgaatgt tctgactgtg gtttactatg tatttcaggt tattttgttt
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240taaggctagt aagtagtgag gctggattta aacttaagtc tccagcttcg tggccaggt
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353

<210> 2605<211> 342<212> DNA<213> Homo sapien

actacggctg cgacaagacg acagacgggc tagctaacgg tcgctccacc catagaaacc
60aaagtttttt tggcgggtaca gggaaattat aggatgttac tgtgcccccc accccatta
120ttagctgcgc tatccgcagt gacatgacca tgtgtccttt cttgatgggc taagtaccag
180cagatgcgat catcagtgt aactcaagac aatatctgaa ggctgggggt gctgcttttg
240ttcacatttt ttttttttaa ataggaaaaa aacttggaag cttgcagaaa tcttctgtg
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342

<210> 2606<211> 335<212> DNA<213> Homo sapien

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60ctgtttgtca catgaggatt catttgaga tagtatgaaa atggaggcaa tttttccagt
120ctcaagaatg gtaaaaggca caggtgggac ttgaaccag actcttggct tcaagtccag
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240ggaagtttag tccttgggac gcttggcctg ccagtctctg aaaaaaatat gatggggatg
300gtgggtggtag tagtgacgt tgggttgagg ggaca
335

<210> 2607<211> 331<212> DNA<213> Homo sapien

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60cttgagaaaa gtttaaacaat gccatataaa tcaaaatatt gatgacatta attaataagca
120cttaattctg actttgactt tttttcaatc ccattagttt actttcattt cttacctaaa
180atttgttttag tggtaataag aattctgaac ctaatatatc atcttattat tttctgctca
240atgtgtaaca ctagtctgac tattttattc tttttttttt tttttttttt tggaaaaaag
300tttccacttt tggccagggt tgaacgccc g
331

<210> 2608<211> 457<212> DNA<213> Homo sapien

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120gtggcagatg cctggagagc cctcaagaat ccagcattg gggaaagcag cattgaaggc
180ctgactagtg tattgagcac tagtggaagc cctacagatg gacttagtgt tatgcaagggt
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300ctctccagtg gcaagggaaa atatagcagg ttataagttc aagccgatgt ccaaaaggaa
360attttcccca aagacacagc cagtcttggg gcaattagt acaacgcaag cactcgtgct
420atggcgggtt ccataatcag ttcctacaac ccacagg
457

<210> 2609<211> 429<212> DNA<213> Homo sapien

ctggacattc aggaggcaag ccaatctttt ttatttcctt ataaaattaa ctcttcaaaa
60gccgttaaac agagagttat cttaattttt attgcagtag gaggaaatat atttaaaata
120ttttagatg tatagcaaat agagactcgt tttttaaag ttaaataaca atttgttctt
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240tcaaaaatgc tgctttttaa atttttgtt ataaattgag aaggaatttt ctctctataa
300gattgctgca ttgaacagat caccattaaa aagaatatta gaatccagca tgaagataat
360ggctaataaa aatgaggtag atactctata acaccattaa tcagatttga atgaggaatg
420cttcccacc
429

<210> 2610<211> 425<212> DNA<213> Homo sapien

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120acttgaaccc gggaggcggg ggttgacgtg agccaagaca gcaccactgc actccagctt
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240ccatattggt tgagtaagga aagacagagt tgctatttgt tgagatgggg atgacagtga
300caagagcagg cttgcggtgg tggaaagtgc aaatgtaagt gtctgatttt ggatatactt
360aatttgaaac gtcattatac aaccaagtgg agatcttgca tgtacactgg agatacatgg
420caaaa
425

<210> 2611<211> 420<212> DNA<213> Homo sapien

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420

<210> 2612<211> 419<212> DNA<213> Homo sapien

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120tttgggtttt gtttttttcc ctccactaca cagtactgca tgccatgtga gcaagatccc
180gacacagaat gaagtaacca gtatctttaa ggcaaacaag cagatcagta gaatctgatg
240atttcagggt caaagaaaag aataatttta atgcaatccc tcattaccac agccatggca

300ctggcctcat atgggtaagg agatttgggc aaccttttgc aggctgatga aattttggag
360cctaaattgt aaagtactg ggccctcctg ctgggtanaa ttcttttga atttctgag
419

<210> 2613<211> 420<212> DNA<213> Homo sapien

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240gacttggcac taagctccat gctgagacac caggctatgt gggcccccac ctgtttccc
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360gcctgggccg cagcccagnc agtattggag aggcaagcag agggcagtgg gtctcccaaa
420

<210> 2614<211> 414<212> DNA<213> Homo sapien

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120cagccttcgt tacgtggttt acctaatggg cctactcatg cttttagttc tcttcagaa
180tctccagatt ctacagttga cggcagaag tcatcactgt caaataattc cctgaaaagc
240tcaaaaaatt catctttgag aactacttca tctacagcaa cggctcaaac agtgccaatt
300gatagctttc ataacttgtc atttacagaa caaattcagc agcattcatt gccacgcagt
360agaagtcgac agtcaattgt ttccccatct tccacaacac agtccttagg acag
414

<210> 2615<211> 414<212> DNA<213> Homo sapien

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60acaccgtgtg tctccaccac acatagtgtg ctttggagc acaacgtcca ggctggtacc
120gcagcgccat gcccttctct cgctcatctc ataggacact tcaactgccat tttctattca
180cataaaagaa aaataaatgt ggaaatttca tcttggaaa aaaaaaaaaa aaaaaaaaaa
240aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaanaan nnnnnnnnt tggggggggg
300ctttttttta aagcaccag aggaaaaata gcttgggggg ggtgtgcccc acccccaaaa
360agaggggggg gaaaaaattt ttttttttg gaaaaagggg gcccctctt tctt
414

<210> 2616<211> 402<212> DNA<213> Homo sapien

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60aggtggaagg gaaatgttac caagcatggt agttaagga tacttcaatt ttgtatctat
120ttcttattaa aaagaacat tctaagtaaa cataacgaaa tattaattct ggggtggtgt
180aatattttgtg ttcattctat cattcgtgct atttatttcc ttaacttct gaaagttaaa
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300gatactaata ttctgtagaa gatatttcta aaatcttctc tttaaaatat gaaataattt
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402

<210> 2617<211> 409<212> DNA<213> Homo sapien

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300atgatacaaa ccttgggaatt tcttgtctga agtgtaaca ctttatttcc aggtccta
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409

<210> 2618<211> 406<212> DNA<213> Homo sapien

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60gttatttagt ggtattctct tacggtctta ctaaactttg ctgtaacagt aatgctttgg
120ttgcttttaac taatcctatc attaaaaatg aaatgattt tgctttttta tttgcgcaag
180tagcactaaa gatagaagct taattaatgt aagctaattg caataagggg tagatagagt
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300gttattggaa tggtgaacta aatttaatat agctacttaa tatagagcgt tcttgagaca
360aattattacc gatgatgatg acctaggtgg aaactttcaa ttacat

406

<210> 2619<211> 402<212> DNA<213> Homo sapien

ggcacgaggt ctgaaacagc actcaagcta tctttccttt tctcattctg ttttaatttaa
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240atcatgtcaa aacatttatg aaaatgttcc gttcctccct tttccaaagg ccagaagttt
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402

<210> 2620<211> 412<212> DNA<213> Homo sapien

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240acatatagtg tgacacattc tacagtgggg gaatccaggg ttctcaggca gattgtagga
300gagccacttc atctagatca cttattttca gtgttcaac tgtgttttca atgaagatgt
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412

<210> 2621<211> 403<212> DNA<213> Homo sapien

ggcacgagat ccaattatct ctataaatcc cattgatttc agggaaactga atttgatagc
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120atttcaattg caactcaaac aatgaatctt ccaaagatgg ttaccctcac tctacaaaaa
180tgctaagtta atattcttta aaataaatatc aagcatttct tggactagat accatcaact
240ttaattttat ttttctcaca taaatgttaa ccaaaaacta aatgataatt tccttctgtc
300acacagcaat tccaactgtg tggaacaaaag tgttatctca agtttcacag agcaattgtt
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403

<210> 2622<211> 404<212> DNA<213> Homo sapien

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120aataacagac atctgctcta gttcatgata aatgttgat agattttatc aggtgggttag
180tttgaaacta aatgggttac atctaaatta agggcaggag ctgtctttca gacattcaaa
240acgcatttgt gtaaaatgac aggtgttttg tattaccagg aactcataat gacattttaa
300taattattgt cttaaattca taatcgaagc gatttttagag tagttaactt gagatttcac
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404

<210> 2623<211> 408<212> DNA<213> Homo sapien

cggtgctgtc ggatttgtaa ggaaaactga ctgtttttta ctgtggtgct tttcaaaagt
60ttaaaattgc gtctgtgtgc ttttgttgtt attctagccc ttatgtgggt ttacagactg
120agttcatggt acctatattt tattaaaaat ttcaaaccat tgagcccagg atatcgagga
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240ttgaaaaaag aaaaaaaaat ttcaaggcat tgaattctgg gtagccaaga aaaatggatg
300gatgcctaaa cccacatctc cctacataac cttccaacaa aatatagaac agcaaaatca
360aatatatcta ctgttgactc ttgaacaatg tgggagttag ggatgctg

408

<210> 2624<211> 409<212> DNA<213> Homo sapien

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120tcttagctgt agctacagat atagaaaatt ctaccattga agatcttgta taaccttact
180tcagccactg aaataattta aattataaat attacatgtg gggttgacta tcacagaaaa
240taaaatgatt atagatccta aaaacataaa ttcctgaact ttgcaacct taattcatag
300gtactactaa tactcttact acagatttta taagtacttc cacttataga cagaagagca
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409

<210> 2625<211> 416<212> DNA<213> Homo sapien

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120gcttgtgtcc tcctggactt gaattaagta gaaagtactt acaactcagc acaaaaaga
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240gggtggatca cctgaggtca ggagtttgag accagcctgg ccaacatggt gaaacctgt
300ctctactaaa aaaacaaaaa ttatccgggt gtggtggcag gtgcctgtaa tccagctat
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416

<210> 2626<211> 414<212> DNA<213> Homo sapien

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120tttgggtttt gtttttttct ctccactaca cagtactgca tgccatgtga gcaagatccc
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240atttcagggt caaagaaaag aataatttta atgcaatccc tcattaccac agccatggca
300ctggcctcat atgggtaagg agatttgggc aaccttttgc aggtgatga aattttggag
360cctaaattgt aaagtactg ggcctcctg ctgggtaaat tcttttggat ttct

414

<210> 2627<211> 418<212> DNA<213> Homo sapien

ggcacgaggg ttccagcaca gtgcggttgt gtcgttggtc ttttttagta tttcctattt
60ccaattttct aagaaaagac agaattaaaa aaaaaatctc ctagtttttt attggcaacc
120aatcagaat tgtttaaaac attgtgctgg ccaaaacaaa aaacatgttt gccagccagt
180agttttttagc ctctgcttcc agagtgttaa ggacaggcct aaacatcctg gccagcttt
240aatggatttg catttttgta ctctggatgt aagttttatt ctgcctctcc tctaagacta
300cttttagatg tatcttctc ctcattccta aataatcctc agggattact tttctcact
360cagtaatttt cccctgcag gcagctattg cttccagctt cacatatatg gcttagan

418

<210> 2628<211> 407<212> DNA<213> Homo sapien

gttcaggcag gtgcttagca attttacaat ttccacaagc ttctgttcag ctcaccattt
60cgttgatga atgtgtcatt tacaagaag tctgaaatgg gaagctgagt ttgaacaggc
120ttagccatta ttcacctcaa attggacctt attatgactc aaattgaaat actaaaagg
180ataatacatg attgtataag tggcgtgcct taatgtgatt ctttagaaca aagtgtctt
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300actaacccaa ttaaagcaac agccatgaat aatattggcc ctgacctgac tgaattcaaa
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407

<210> 2629<211> 405<212> DNA<213> Homo sapien

ctcttagtat aactttttaa tggcatctac ataaccacag tgctcaaatt tgaaaccttg
60aaggctgtct ttttccatca acttgtgtga atactgactc cttccctgtt ccccttcac
120ttgggtttac tttcttgttt ttatttatatg ctgatctgtc tcccctgtta ggctgtaac
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300ttaaaatatg tatcttttta actatttata cacctccaag tggatgacat gccacatttt
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405

<210> 2630<211> 403<212> DNA<213> Homo sapien

gcttctcttt tgttgatccc ggcgatnctt atctcttgct gtcgaantgg ctctgcctct
60tttgtttcag gttgtgaccg tgtatgaggn ggtctgatg taagatgaag gtgtggattt
120atcaaaagcct ttttcccag ctatatataa ggaatttgaa gagttgcata aaatggttaa
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300acaccagac aaccttgac ccaagcacct cagccgagac atggatggg agcagctaga
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403

<210> 2631<211> 411<212> DNA<213> Homo sapien

ggcacgagat gaagcccaga ttaacttttc tgtgaatatg gcctgtgaac tgttgctgga
60attaaattgg agtctagcac aaattaagtt aatctactct gtattaatca ttgggaaaaa

120gaaaagcttc atttgaaaac agtcttttttc cttcacccac actaatagaa aaaggagagt
180aatattgttca tactgtattc cacgtgggat gaaaagcatg ttttgctctt tgtttctggg
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300ccactggggc cacattgagg gccagttggg accttccttt ccagtcacac tctgtgtcct
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411

<210> 2632<211> 413<212> DNA<213> Homo sapien

ggcacgagct gccctcgttc cgcgccattc aggacgactg ccaggtcatc acggccccgc
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120agtgcgtgga gctgctgctg gccctgggag agcctgcgga ggagctgtgc gaggagtcc
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240ggccaatgtg gccagctcca tcctgagcca cattaaggcc tctctggcag cagtgcacct
300tttcaccgcc aaagaggtgt ctttctccaa caagccctac ttccggggtg agttctgcag
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413

<210> 2633<211> 402<212> DNA<213> Homo sapien

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120ggtgtgcaca gactcagagg caagaaagt gtatgatgag ggtggggggg tgtgcggata
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300cccaaatggg ggctgcagca tgggccttgg ttgaagcctc taatcctgta agggctgctt
360tggcccaaga ggccttagaa acccggtgta agccttaatc gg

402

<210> 2634<211> 418<212> DNA<213> Homo sapien

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60aatacagaat acgaagatga aaagacattg aagaatccaa aatataaaga tagagctgga
120aaacgtaggg agcaggttgg aagtgaagga actttccaaa gagatgatgc tcctgcatct
180gttcattctg aaattactga tagcaacaaa ggtcggaga tgttgagaa gatgggttgg
240aagaaaggag agggcctggg gaaggatggt ggaggaatga aaacgccgat ccagcttcag
300cttcggcgaa cacatgcagg cttggggaca ggcaaacat cctcatttga agatgttcac
360cttctccaaa acaagaacaa aaaaaactgg gacaaagcac gagagcgggt tactgaaa

418

<210> 2635<211> 409<212> DNA<213> Homo sapien

cggtgctgtc ggacgagaca gcgagaggaa cagcgtccgg ggcgaccccc agtccaccgc
60gggggccttg cgcgcttggg gcaaaggccc taggagaccc cttctggcca caaaatcgag
120tatgacagaa aagggccagc gggggcgctt tccttcagg gccacttgcc ggaatgtaag
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240cctaggccag gggagcggag acctcgtggg agcgggcagg gggaccttc cctctccc
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360ccacgtttcc ggacctcggc gngcacacg gtctccggtt ttcaccggg

409

<210> 2636<211> 403<212> DNA<213> Homo sapien

cggtgctgtc gggcaatctc catggctttt tggctgagg tggagccaag gacatccgag
60tgctgtgga ggcgctcac caggctttcc ctggctggg gggccagtcc ccaggagccc
120gggcagccct gctgtgggcc ctggcgctg cactggagcg ccggaagtct accctggcct
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240caagacgact tcgggcgttg gggggccggg tgcaggccca aggccacacc ctgcaggtag
300ccgggctgag aggcctgtg ctgcgctgc gggagccgct ggggtgtgct gctgtggtgt
360gtccggacga gtggccctg cttgccttcg tgcctctg ggc

403

<210> 2637<211> 389<212> DNA<213> Homo sapien

cggtgctgtc ggaagactag catcctttt gctccctgg tggntgtgaa atacacacac
60gcacacacac acacacacac acgctcgcac tcctctgaga ctccgaacag agaaaaaat
120tattggcaaa tcaacacatt tttctttctc gtcttgagaa aatgtcttga ggtccctgaa
180gggccaatc catcgtggac taactctgtg ggtagagctc agatgacctt gggagaatta

240aaccacttaa tcttgaggagtg ggaggagagg ggggtgggggtg ggagagaata taagatgtat
300cttangctaa gtggaatcta tttataaaagc gagagactct catctatctt tatgagagga
360gagggttttt aatctagggg aggcagccg
389

<210> 2638<211> 396<212> DNA<213> Homo sapien

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60tggaaaacct gaggtccgga gttcaagacc aacctggcca acattgctaa accctatctc
120taccaaaaaa tacaaaaatt acccaggtgt cgggtggtgtg tgcctgtaat ccagctagc
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240ccaagatcat actgctgcac tccagtctgg tgacagagaa cgattttctt tggaaatata
300tattaaatac taaacaaggc tgggactgat cttcattgtc attcctggct gcccatatta
360ctcaaggctg acgattaacc atttgtttta atacat
396

<210> 2639<211> 393<212> DNA<213> Homo sapien

cgtggctgtc ggagagcttg gatttctatt gaccttatac tggtagcaac tgtaccagct
60aatcatgtgt cccttgagtc tgtcacgtga ctttgcctt cctctgaaaa tcttttact
120cagtagggcca gttacaccca tttataataa ttaataaaat cactatgttt gacttcaagc
180ttttccctta ggtttatgat tttttaaag tattatcctt ttttggcatt taggaaggca
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360ttccatcata taacttgaaa gattatcctt ttt
393

<210> 2640<211> 393<212> DNA<213> Homo sapien

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120aaagagaata aaaatttcct aaaagactgt catattaagc ccctttacct tttccttggtg
180ccacctcatt acatagatag atcatcattg tatcagaaaa atgttaattt atattattaa
240tgatcacttt gtaagtatgt tttttcaacc atcctaaaca cattttcaga aatgttttcc
300tttaaaagggt gataagtttt aaaaattttt ttataaagag ttaggcttgt gttattactt
360aatgaggaga acctcattcc ctattaatgt taa
393

<210> 2641<211> 384<212> DNA<213> Homo sapien

ggcacgagga gagttatagc cttatttttt ttacattctt aggaatttat gaaaatgtat
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120atatttttgt cttttgaatt cattaaacct taaaattatt ggagttctga tttagtgtt
180cagaactatt ttggtatttg tgtatcttgt tttggacagg gttagcatgt atttgacacc
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300ggaaaaaaag tcttactttg ttccccagtt tggagtgaat gggcttgacc caaaatcgtt
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384

<210> 2642<211> 392<212> DNA<213> Homo sapien

cttaaaaaaa tatatagaaa gaaagaaaat gcttttcaat tttgggcccc gccattttta
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120attcttagag aagaaactta catcagttta atgaatacac agcctgtcta taccaatttc
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392

<210> 2643<211> 391<212> DNA<213> Homo sapien

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120aaatttttaa atacggtaaa atagtacata aaattacaaa gataaccacc aaaagatcct
180agaatagact ataaaccttt ggaactatca gaataaaaa acacaataaa gaaaacaaat
240accatattggg aaaataattg tgtgtatttg tgtctttaat ttgtttgtga gtgtctttaa
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360tattttctcct atatccagaa atgtaaattt a

391

<210> 2644<211> 389<212> DNA<213> Homo sapien

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60gagagtatgt aattagtaat gctaaaaaaa tgcactttat taccctatgg acttttccaa
120atgccatagc taccaataga gtcatttgca ttacacatac taatagtatt atttcttctg
180aggagatcct agctgtagct acagatatag aaaattctac cattgaagat ctgtataaac
240cttacttcag ccactgaaat aatttaaatt ataaatatta catgtgggtt tgaactatcac
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389

<210> 2645<211> 387<212> DNA<213> Homo sapien

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180tattcatata tgtatatata cacacatata ttcatatata ttatatata cctatatcca
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387

<210> 2646<211> 386<212> DNA<213> Homo sapien

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60ataaaaaaga atgccaaagc atgggtaaaa atacatgaca taactatgta aacaagtaga
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240atttcgggta attgaaacct ccacctctgg ggttaaagca attttggggc ctaaccctcc
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386

<210> 2647<211> 396<212> DNA<213> Homo sapien

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120cttgtggtct gtatgtctat caaacattca tgaaaaattt gaagactatc aatttggtag
180ctacaaaaga tgatgcggtg gccatggaaa tgcattaccc agatctcttc ctgtgagaag
240cagagttgac agaaccctag ctgtaccccc atgggatcta ccactgtatt cctgtgttc
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396

<210> 2648<211> 387<212> DNA<213> Homo sapien

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120cctttctaca ctgcagtaat ttgctgagtg acctgaaca aggatcttaa tgcataaag
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387

<210> 2649<211> 398<212> DNA<213> Homo sapien

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300tcccaggggg ggggtgttgt ctggaagggc aggttcagat gcagccttcc agatttagag
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398

<210> 2650<211> 387<212> DNA<213> Homo sapien
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300gtcagggctg agcagggcgg ccagtatggc tcctgtgttc tgatggcgtg tagtggcgtg
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387

<210> 2651<211> 400<212> DNA<213> Homo sapien
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400

<210> 2652<211> 389<212> DNA<213> Homo sapien
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120tggcgctctcc aaggggaggg tcctcagagt gcaactgagat cccaggagga tggccacatc
180cccccgggct acatctcaca gctggtgggc gtgatcactg tgcccgtttt acagacaagg
240ccactgagct ctgagagggt atgtgacttg cccaaggcca ccccgctgc aggtctcaaa
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389

<210> 2653<211> 397<212> DNA<213> Homo sapien
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120ggcgaggagg cgcagggaga agtccccagc gctgggggag aagagcctgc cgaggaggac
180tccgaggact ggtgcgtgcc ctgcagcagc gaggaggtgg agctgcctgc ggaatgggag
240ccctggatgc ccccgccctc gaaatccag cggctctatg aactgctggc tgcccacggt
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397

<210> 2654<211> 398<212> DNA<213> Homo sapien
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180ggcagagtct ccatccagca gctgggggtt ctggtggcac tccctgtgcc cctgctgctg
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398

<210> 2655<211> 386<212> DNA<213> Homo sapien
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60ccactatct ctgtaaaggc tctctctctc tttttttttt ttactaacc gagctaaaac
120caattcctgt tgataaacac taaacaacct cattaccgga gaggactttc gtttactttt
180tgcccttttag gttccacttt ttttttggga aaggggattt aatttgttcc ccagccccga
240catcgactgg tataattttg ttaagagca cccttgagcc tcctagggaa acaacattcc
300ccggctgcac cctccaaaga tttggggata acgggatacc ccccccccc cccacctatt
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386

<210> 2656<211> 399<212> DNA<213> Homo sapien
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120tggagagaag ttgggtggtt ggtgcaggca gcttctgggc ttgagtcagg cccctgcac
180ctccagtcca cactcccag gagctcacct gctcccagg cgaactccat ggcggtgaaga
240gaagtgggt cctaaggcca agggcgctg ggcctgcag aggagcggag cagggggagg
300agcgctgaga cctgcccgtt ggaggaatgc tgagacgcc caccacacct ctgtcctggt
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399

<210> 2657<211> 395<212> DNA<213> Homo sapien

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60acatcctgcg gaggaatccc tttccccatt tattaaacac aaaattgccg gtgtttcaag
120tagttctctg atcgatagac caacaactga aattaaatgc ttttagtctc aagtgcccat
180ttttattaaa atgtaattat catgaacaga aaaagcaata caaggcgtgt gttcttaata
240attctgccat tctctttttg acatttaaag gaagagccta ggctggatgt cttgatcaat
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395

<210> 2658<211> 388<212> DNA<213> Homo sapien

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120tggcggaacc atttgccgc atgcggccat aactgcatca ttgggtccaa tgggagcctg
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240gcccagatg cgctccatt actggcttga gtctgcatt gtgggctggc gctgcgcgt
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388

<210> 2659<211> 378<212> DNA<213> Homo sapien

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120ggggcccccc ctttttttaa aaaagggggt tttaaggggg ggattttttt cccaaaaaaa
180aggtggrttt ttttttcccc ggggggggtg gggcccccc ccaaaaaaaa aaatccccgg
240gggaaacccc ccccccccc cccggggggg gggcccccc ttttttggg aaaaaacacc
300cccccccccc cctttttcct gggggggggg ggaatcctcc tcggagaggg gggggggggg
360ggcaacaaaa aaacaaaa

378

<210> 2660<211> 382<212> DNA<213> Homo sapien

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120gttgctttct ttaatccaat ggataaaaaa agtaaaacc tgtaaacatt attttatatt
180tttatgcaat accatgctgt aaatatggt catcaataa ggatgtacct atgattgaat
240ctttaattct gcacagttag agtttatata taaacgtgtc ttgacaatca aggactttta
300tgtgagctct cttttatgat gtttattaat gttatgcatt ccatttgttt tgaagtgagt
360accaatgtgc taatttgat tg

382

<210> 2661<211> 373<212> DNA<213> Homo sapien

cgttgctgtc gggaacttta aaaattatgt ctgtagttaa ataactaaat gtaagaaagc
60ctttaatata gggtagagtt attaaatagc acaattaaaa aaattttaga acttacaat
120acaaaggatt attattttct caaaattatt atctttattg ctataatatt tatttaattg
180agcttttttg ttcaatgcac ttttgaatt tttctttgga aattactaca tgatgctttg
240gacagctttt aaatattttg tatatattca gtcccttaga ttttaaatat ttctgtttct
300tcactttttc ctctgttaca tgggtttcca tgtaacctct tcatcatctt ggttgccttt
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373

<210> 2662<211> 373<212> DNA<213> Homo sapien

tacggttgcg agaagacgac agaagggcct tattttgaaa tcagaataat ggaaattatt
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120tcaagtctgc ttactgattt ttctcttatg tctctattct tccccctcc ctttgccttt

180cctttctccc ttctgctctt tgaccccaaa ctcctctttt cttcttagtt tattaataa
240aaaccaaact atattactat caatatattt ttactatatg cagttcatat agtctcgtga
300ttggccaaag tctaattggt cccaataggt cctcaatctt taaggcccag tccaaacctt
360ccacaatgaa ggg

373

<210> 2663<211> 378<212> DNA<213> Homo sapien

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120ttctttaaacc tgggaggcgg aggtttcagt gagccaagat tgtgccactg cactccatcc
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240ttcttgaac cttgtgcaga gggaagagta aaaagacctc cacacggccc actctgtcca
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378

<210> 2664<211> 378<212> DNA<213> Homo sapien

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120ctacactttt ggtactattt tcctttttaa ttttgggtgt ctaagattta ccactaatta
180ctaataatag cctttccaat tcaacttaaa ctttaataag tgaaatgttc aggtattgct
240agggtaaatg tgtcttttcc tactattgag attttaaaag gctgtgatta agagagactt
300tattaatttg atctgaaaga agtagaaacc tctatgaaac aatttttatt ttcctttgca
360taatacctta gaaatgtg

378

<210> 2665<211> 373<212> DNA<213> Homo sapien

tacggctgcg agaatacgac agaagggatg agagtgagga tgacatgtga tcccatgcct
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120acgatagtga tgagagttat gatgactctg attagacccc agataaattg ttgctgctt
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240cttactggt aggatccttc ttgcccctc tttttttttt tttttttttt tttaaagag
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373

<210> 2666<211> 376<212> DNA<213> Homo sapien

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120ggcaggctgg ctggccttgc tcccatccct agaactgctg cctctccctg gatattccag
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240ctccccatgc aacaaagcaa cttacttctg gagttctctc ccaaggagag gacacagaca
300cagttgtttg ctgtgttata tgttagctcc gaacaatggg tctcaattgg cttagcatca
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376

<210> 2667<211> 382<212> DNA<213> Homo sapien

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120gtgggcctcc ctgagtgcc tgagtgggt ggcataaggg gtgagaggcc atggtgtctt
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240tccaagcctc agttggccac agtgagaagg ggcctggtta cactgtcctg gatgccaggt
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382

<210> 2668<211> 371<212> DNA<213> Homo sapien

tcgaattccg ttgctgtcgc atttcacggg ttttctgtgc agttatggga gcatgacagg
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120gagacatggg tgtgcacaga ctgagaggca agaaagttgt atgatgaggg tgggggggtg
180tgcggaataga ggttgaagcc caaaagcct gaaagttcag tgttgaggct cagggtgggg
240accctagaga ggcaaaagat gccagccag atggaattgg tgggtggaat tgccaggact

300ggaaagagcc cagatggggg ctgcagcatg ggccttggtt gaagcctcta atcctgtaag
360ggctgctttg n

371

<210> 2669<211> 378<212> DNA<213> Homo sapien

ggcacgagggc ggatcagggg gattcagaag cgcttcagag aacaggagcg cagccgggag
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120tcccgggtca aggccagct ccaggagcct ggcctgcct ctgggacaga gtctgcccac
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240cagccaacc caccaggtcc cgaagctaag gagccaggcc tgggggtgga cttcattcgt
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378

<210> 2670<211> 373<212> DNA<213> Homo sapien

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120tcccgggtca aggccagct ccaggagcct ggcctgcct ctgggacaga gtctgcccac
180ttcctgcggg cgactcccc ctgcgccct ggcctccac caccatgt atctagtccc
240cagccaacc caccaggtcc cgaagctaag gagccaggcc tgggggtgga cttcattcgt
300cacaatgcac gagctgcca gagagcccc cggaggcatt cctgctcact gcaggtcctg
360gcacaagtgc tan

373

<210> 2671<211> 376<212> DNA<213> Homo sapien

ttcgaattcc gttgctgctg ggcttatctg atgtatctcc ggggtcanga agcgggtggag
60tccatggtga agagtgtgga aagagagaac atccggaaga tgcagggctc catgttccgg
120tgcagcgcca gctgtgtgga ggacagccag gcctccatga agcaggtgca ccagtgcac
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240ttccaggacc gcctggccc gtgcaccatg cattgcaacg acaagccaa agattcaata
300gatgctggga gtaaggagct tcaggtgaag cagcagctgg acagttgtgt gaccaagtgt
360gtggatgacc acatgg

376

<210> 2672<211> 370<212> DNA<213> Homo sapien

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60gtgcttgcta tcatgtgtgc cccaactata ccaatttcca gtttgacaca tcgttcattg
120acatgatcgc cggactctgc atgtgaagc tctaccagaa gcggcaccgc gacatcaacg
180ccagcgcta cagtgcctac gcctgcctgg ccattgcat cttcttctct gtgctgggag
240tgggtctttg caaaggaac acggcgttct ggatcgtctt ctccatcatt cacatcatcg
300ccaccctgct cctcagcacg cagctctatt acatgggccg gtggaaactg gactcgggga
360tcttccgccc

370

<210> 2673<211> 355<212> DNA<213> Homo sapien

tacggctgcg agaagacaac agaaggggtt ggatcatttt tttctgaaag tgggcaatta
60tttcaaaaaca aaatggtttc aatagagcgc catgatattt ttctgacatt ttctttgaaa
120tagttgatac tccttctgca aattttgttg acagtgttct taggttccaa aaagaagggt
180aacgccacta cagcaccttt gccatctgac cagcagcaat tctaagatgt cattgattct
240aagatgcac tcaattccca agatgttaaa atgaacaaa tacatcattt aggatcataa
300acacatttta gttggaatag acacatttga agaccagatt tgaacaatga tcctg

355

<210> 2674<211> 361<212> DNA<213> Homo sapien

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60aaaaagaaga ttcaatacgt aaccatagga gatacaaaac ttcaagagc aggttaagga
120aagaagcctg agaaggaccg ttcagagaga cagataaaa gaaaaccag aagagaagtg
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240cagagagacc aaataagact aaattgcaca aagttcttga ggaagtgaag actcagatta
300tagactatat ttttgagaat attgggtatg aaaaagggtg acttgcgac tcaccagttt
360t

361

<210> 2675<211> 356<212> DNA<213> Homo sapien

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120attaaatgct ttaagctatt ttaccttttc aagaagttgt gttttttttt ctccaagtca
180taaccaattc ctgcaaagag gcttcccatg acttgtgatt ataaagtaga caaccaggga
240attgcgcgag acacattttt atttaattct tttttttacg gaatgcccc gagccggaat
300agattaaaag cggttccttt cctttttcac atttaaaaca ggatggtttc tgggtt
356

<210> 2676<211> 366<212> DNA<213> Homo sapien

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60gattcatatc taagtgtata tgtataatac tgtacagtta agagttcaga acaagtggga
120atgttttctc ttaatttaac tcattttgtg cttcttttac tcattcaaac acacatacat
180tttacatata gtttatttct ttatgaaatg ctaatcttca gcccgtagca aaaagtagag
240tggagcctct ttgactact actatcaata aattttaaat cagttggatt ttttaagcatt
300ttttaaaagc tgacattaaa gtaaatctaa aaaaagtta acaaactggc caagacacta
360attttt
366

<210> 2677<211> 367<212> DNA<213> Homo sapien

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120cctgccctgt caccaggcct ctgagtggcc aggcccttcc acctcccat ctgtaaaacg
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300caccttgcca ctgggctttg gactccagcc ctgacagggc ccagccacac tggctctgcc
360cctcgaa
367

<210> 2678<211> 349<212> DNA<213> Homo sapien

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60ccttctagta gcaatcacac cccagcagc ctggaactag agtattctgc caaagcagaa
120accctgtcac tctactcac tatataatga ttttctgtga acttaggtat gaagtgtaaa
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240ccacccatt cactctcca ctccaaccc tacacatgca caccctctc acattcaatt
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349

<210> 2679<211> 337<212> DNA<213> Homo sapien

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60aggctggaat ggagaggggg taaggacatc cttcattcat gaggggaaca aagagtgtt
120cccatcccc catccctcc tcatacaaaa cttgaaaata atgcataaaa taacaatcc
180atcaatcatg gggaaatttg aatcacatgt agcataatgc agggcatatc tgtaaaagta
240tcagtagagg atactacaaa tcccccaag ccaccatag ccagagtgtat cgtcttaaac
300cactaatagg attacttctt gaccgcctt aagctt
337

<210> 2680<211> 470<212> DNA<213> Homo sapien

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60aaagtgcga cagaaacatg cccctgatc agtgcctctg cttagctgta acatgttaat
120cagaactacc tggcatcttc ctgaacaaga ctttcaatag gggccagtat gcttcgcttc
180atccagaagt tttctcaagc atcttcaaag atactgaagt actctttccc agtgggacta
240agaaccagca gaacagatat actttctctc aagatgtctc tccagcaaaa cttttcccca
300tgtccaaggc cttggctttc ctcatcattt ccagcgtata tgagcaagac acagtgtat
360catatccc cctgcagctt taaaaagcag cagaagcaag cacttctagc cagaccctca
420agcaccatca cttacctaac tgacagcca aagccagcat tatgtgtaat
470

<210> 2681<211> 420<212> DNA<213> Homo sapien

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60acaaaaatac tcatgaaat gttcggaac tgaaatttaa acaactgtaa tattaaggaa
120accagaatca ataatcact gtcttgccag cacagctaca gagtaacatg attcagggga

180ggaaaagtgc cttacagtta cttttataat tctttttttt ttttctctt aggttaaaaa
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360tggtctatt ttttttttg cttatagagg ccggtaacag tttttttgca ccaatatatg
420

<210> 2682<211> 440<212> DNA<213> Homo sapien
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420ctgttgccca ggctgggtgtg
440

<210> 2683<211> 427<212> DNA<213> Homo sapien
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60atccaaatct cgggagatac gccatcgcca caggtcccg cccagcagcc gtagccgag
120ccgtagccac cagagaagtc ggcacagtgc tagagatagg agcagagaac gatccaagag
180gaggtattga tgtgtcaatc agaggatatg gagctacctt aatgttttag agttgtttat
240gtttacttat gttacttatg tttatagcta cagattattg gtttgaatct ttcgcatacg
300gtgctatgtt cacatttatg tgcgggtgca caacattttt ctgtgattat atgggtaact
360atgactgaat atacttatga agccgagcac gacattgtaa ccaatatgtg tagaggttat
420tgctttt
427

<210> 2684<211> 468<212> DNA<213> Homo sapien
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60ggaaaactgt aagaagttaa cccactctg attattccac cattgccaga gaagtttata
120gtaaaaggaa ttttggaacg ctttaacgan gacttcattg agacacgcag gaaggcttta
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240atttttctca ctgcacaagc ttgggaactc tcttctcaca agaagcaagg tcctggcttg
300ctaagcagga tggggcaaac cgtcagagct gttgctcct caatgagagg agttaaaaac
360cgcccagagg agttcatgga aatgaataac tttattgaac tatttagcca gaaaataaat
420ttgatagata aaatatctca gagaatttat aaggaagaaa gggaatat
468

<210> 2685<211> 419<212> DNA<213> Homo sapien
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120caaaaacctg atttccattg cctagaatac ttcaagtctt tcaatttta cacactgctt
180ggagaagagt ggaaacaacc ggaatcagac ctgtggctaa tagagaaatg tgatatatg
240gagtaataga taaccatacc gatcattttt tcctctatac cttttaagat aaacaaaaa
300taaatatcaa ttttttaaga tgtcatgcat acatttcaac aacaaatatt ttcatagaag
360tactgaaaa tatagtatct gtggcaaatt gtatatgatt aacaagaaaa tatatgatt
419

<210> 2686<211> 428<212> DNA<213> Homo sapien
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120gcgccgcttt ttggacaaca aggtgctgct gtcctttggc aaggccttcg agtgtaaaga
180gcctggttg tttcgcttg tcttctcaga ccaagtccac cggctttgcc tggggatgca
240gaggtccag caggtgcttg caggcaaact ccaagtggca gaagaccccc gtcctctca
300tagccaggag ccaagtgacc aacgcaggtg agctggctat tgtctcgtgg ccagagggcc
360cagcagccac tgtggacctg gggcgttctg gcgctgcaca agactgactg tggatgtgcc
420atttgcca
428

<210> 2687<211> 426<212> DNA<213> Homo sapien
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60gccggggtcg tggccggggc cagttgacct tcaacgcgga ggccgtgggc attgggaaag
120gggatgcttt gccccaccc accctgcagc cttctccact cttccctccc ttggagtcc
180gccagtagc tttgccctca ggcgaggaag gggaatatgt cctggcactg aagcaagagc
240tacgaggagc catgaggcag cttccctact tcatccggcc agctgtcccc aagagagatg
300tgagcggtta ttcagacaaa tatcagatgt caggtccgat tgacaatgcc atcgattgga
360accctgattg gcggcgctta ccccgggagc taaagatccg agtgcggaag ctacagaagg
420aacgga

426

<210> 2688<211> 397<212> DNA<213> Homo sapien

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60cacatagttt acaaatcatt taaggcaagc ttaccatctt aagacaattt aatacataga
120agtgtccctc ctaaaaatct gagtttgatt tagaaatcca gttatacctg caggtactga
180tgactaatct cttctttgaa gacaaaataa gcagctgtgt agcttcagtg gctctcaaat
240ggataataga ttcagtgtat actcgctttg aactttcctg tttttgatc agctagataa
300atgactttag tgggtaaatg tctgcctcca aaaccaaatt ctgaccctga tctaagtatt
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397

<210> 2689<211> 391<212> DNA<213> Homo sapien

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120acaggtgtgt caaaaggtat cttggtcatt aagtattgtg cagtgcatta tttattatcc
180ctaggagaga tgaaatttga gaggtgatca tgtcttttta aggaaactta cataatgctc
240tgcttttttt tttcttttgg acccatgggt attataataa aaagcatttt gtacctgagg
300ggccctaata gaaaaaagtg ctgctcaaa gaaagtatgaa gttatatatt aaatttttta
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391

<210> 2690<211> 416<212> DNA<213> Homo sapien

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120attattagct attagctact tctgaaattc agaaagtacc ataattaggc taaagggtta
180tataatatgt agtgaatctt caatgtaata ccataactc tgctattttt ctttttctaa
240ttagttgtgt tacattagta accaggccat gccaacacaa gtattccagt ccattgtgatg
300atattttctc atgtaaatta ataaactgaa attctaattg taaacatttt ttcataaatg
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416

<210> 2691<211> 412<212> DNA<213> Homo sapien

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60gaggagcagg ggaggaaaga accctgagga accaaatcat attaggagac gaggtgaaaa
120tggtactgag ggagctctga ggaagcttag caggaaaatg gtgtataaga acttagggag
180gagagtttcc tgaaggaggg gcagtaattg cagtatcaaa tgctacagag aggagaggca
240tgatgagacc ttacaataag cctttcattg tatttgcctt ttgggggcca gtgagaaggg
300aaaactgagg gtggtggagg ctggaagcta gatcatgatg agctaaggag tgagttggag
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412

<210> 2692<211> 368<212> DNA<213> Homo sapien

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120cttgagggca cactgcaaag gccacctct catctccctc tggcctgcct gtcagctctc
180agagagctga atgggcctg ccaccaacag tctgttgctc cttctgact gtgacacgaa
240tgcactacca cgcaagaag ggctccgtgt cagcagcgt cctagctggc tctccgtctc
300gggtgtccca ccacgggaac ttgagaagaa gctgaacctc tcaaggcttc cggtactgct
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368

<210> 2693<211> 388<212> DNA<213> Homo sapien

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60gccgggcatg gtggcagagc gagactccgt ctcaaaaaa aagaaaagaa aagaaaatat

120aaggatgtaa aagaagcaat ttgcttgac atctgaatat ccttcttggtg tctccatttt
180cactcttgaa aactgaaagc aatttgactt ttatttttgt ttttctaaag aacagctagg
240tgaaaggagg ttaagctgat tgcactctg cctgcccact acctactccc caccatgggtg
300tttcatgaaa catccccacc acctgaagtg atcttttttaa tccttgatgat agtaaagca
360ttgataatta acaggaaaaa catgtttt

388

<210> 2694<211> 377<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggatg aacagcagaa gagaattatt ctacaataag
60aaatcaattg gtctctcaac tgagaatcac tagcaagaaa ctggtaaacc aaccaacaag
120tgggtaaagg aaatgtgaaa ttatataact aaataaatac acacaaacac acacacacac
180acacacacac acacacgcac acacacaagc acacaccata gaatactact caaccacaca
240aaggaaggaa ataatagcat ttacatttgc agcaacctgg atggagttgg agatcattat
300tctaagttaa gtaactcagg agtggaagaa cacatctcgt atgttctcac ttataagtgg
360gagctaagct ataagga

377

<210> 2695<211> 380<212> DNA<213> Homo sapien

ggcacgagag acagtctccc cctcagatgc catgctccca ctgtaccacc atgtactgct
60tcctgagatc tctgcttcc tcaagtcgacc cagctgacac ctgtttcctt cctaactcca
120actaattaat tccagctaatt ggaattgact ggaattagtg acattaatat ttactgagca
180ttccccatgt gtcacagag ctgtgctaaa tgctttacaa gaataattac ctgccataaa
240gcaaccctat gacatagggtg ctactatgcc catttttag atgagacagg ttcaggggag
300ttagtatcac cttcaagtca tacagtggct aacaatctgt ggtctcgtg aatgctgggc
360gcctgctctg ctaagtctac

380

<210> 2696<211> 399<212> DNA<213> Homo sapien

atcggcacga gattgattgc tgttgcgga acttgagggtt acttacagaa tgaagcacat
60tttttacata cagtacaaat gagtgtgtgc tttttaaatg gattttaaat tcaaatgcaa
120atctgcagtt taatctccca agtgtgtgatt tttctatgta taaagtagga gagtgaaca
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240cagacactca gtattacact cctgctatct ctcagagca ggtgaaacag acggccagga
300agcacacgaa gagacactca gcatcactgc ttgttaagga aggtgcaa at caaaaccaca
360gtgagacgcc acttcacacc tacaagttcg gctagatan

399

<210> 2697<211> 408<212> DNA<213> Homo sapien

cgttgtgtc gctggagaag cagccttata cagttgattt tgtgtatgtg gctagtctta
60ttgtcactat gtaagtaatc caatggtttt agaaactaaa ctttctagag caataaaatg
120actataatgt taagtaacaa taatgttgat ttctaattat gttttaaaaa atgaagtctt
180gaattatata aagaaatctt ggcagctgaa gtcattgtta ttttgaagct gttagtctt
240tcctataatt taaaaagatc ttttagattt atagaagagt cagaaatgta caagagagtt
300ttttgtgtg tgttttgtt ttttgagaca gagtctgtct ctgtcgccaa ggctggagtg
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408

<210> 2698<211> 406<212> DNA<213> Homo sapien

ggcacgaggc aagcatttac agttttaaat ttcccagtc gaataaattc ttattgaggg
60caatacctag cctgtcttca tcaaaactcat aggtgaatct ttgtcaaacc tataggagag
120agatgcaggc catagagatg gtcttgctga aggtcttata gctaaattag ttcagatcca
180ggaaccagat tctggaactg attgcaccta tattatgttg tgtgtcagac actcccagga
240cctgttttgg aataaattagg acagctgaca tacttggtgc taattttgag atctgggcaa
300caactgtgta ggctgttctt tcaacctctt tcttcttact tctttacttt tccttcacag
360aggagaaagc caccctggg gtatagccac cgtccaatt ctgact

406

<210> 2699<211> 374<212> DNA<213> Homo sapien

tacggctgcg agaagacaac agaagggctc tcaaaactaat caatcaaaaca acaaaacaaa
60caaaacaaaa agacactttc tagaagagat agtaacgata tctacctcat gaattaaatt
120acttggtgtg aattaagtgc ttactaggga ttaccacatc attaactatt attagtaatc
180ttacagtcatt tattatcaaa tatgtctcaa aattaatgca acctgtcagt ctagtccat

401

240caaaagtgcc acagtgcctt ttggaaatta aacaaaacaa ttgcttaaat gtgcatcata
300cattcagagt aattcttatt caagcaagct ggctttatat tcatgacaag cattttcaat
360tttaatatgt ttgt

374

<210> 2700<211> 406<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gaactagtct cgagagcagn nntttttttt tttttttttt
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120caaaaccccc cggggggggg ggggaaaaaa aacccccctt ttaaggggg ggggaaaaa
180aaaagttttt tgggaaaaaa aaaaaatttt tttattttt gggggcccc ccccccccc
240ccggggggg gggggggccc ccccccccc taaaaccccc cccccgtgg gtttttggg
300ggccccccc cgggggctta aaaaggggg gggggggggg eccccaaatt tcccaaagg
360ggggctttat ggcccccca tccccaaat gtgggggccc gggggg

406

<210> 2701<211> 395<212> DNA<213> Homo sapien

ggcacgagat ggtctcaatc tcctgaactc atgatccacc tgcctcagcc tcccatagt
60ctgggattac aggcaattag aaggaccatg tgactaatct atatcatttt cttagagata
120aagctgagat ccaggaggct atgctaaaga gacataggta actgtggcca agctacagcc
180agattccatg ttttaagact ctcatgtcta tttttctggg tggggaaggg gaatgaaatt
240ataactttgc aactatcctc acttcttct acctaccaa atagaaagta gttcacgttc
300acaggacagt ggtctcatgg acttgtttct tttttcttc aatggaatc ctttaagaaa
360tctaaaaaca aatgagcaca gatgctctgg ctcaa

395

<210> 2702<211> 394<212> DNA<213> Homo sapien

tcacaatcca atatctgtgg aattcattgt gtatgtttgt gtatttgtgt gtaggtgtgt
60atgtgtgtgt gtgatacata catacatcac gtatcacaag acattgacct tatatattat
120gcactgtgat gtttttccgt ctttaatttt aaaaaacata ctgatcaca ccacaatttg
180gaaatgttg ctccatacca tccatacca acactacca cctgcaaata atagcattac
240taggagctgc agtcacaatg aataaatcaa caattcgcta caagatctag gattatttgt
300gtattttgt gagagtgcga gcgcgttggc gtgtatctaa taccattgta tctcattgt
360gagactttgt tacaatatag gtttctggtt tctt

394

<210> 2703<211> 376<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggatt atcctactta ttatttatgt ttacctcct
60gtgtccaaca cacacacaca cacacacaca cacacacacc ccttagaatg
120gggctcctta agagcaggga ctttatgggt cttatggagc aagactttat gggctccctgc
180tcttatgacg ggcctgttca cctgcacctc cagaacctgg aacagtgtta ggcacaaaat
240atctgattaa taaatttgcg ctgaaagaga gaatactcca aaaggttctc gtatgagtga
300agtgagatta ttatctataa agaattttgt ggaggcatgg caccataaa gcaccacaca
360cacagtattt ccagta

376

<210> 2704<211> 407<212> DNA<213> Homo sapien

ggcacgaggc cagtggagct aaagagctga gatatatattg taaatagagt taataggatt
60ttctgatgat gtgggtctgg ggtacaggga agagggacaa tctactgcta ctgaattact
120ggtttaagta actaggtagc ctttattggg aaagactgag aggggaactgg tttgtgggga
180aaaggactat gtttcaaggc atgttaagtt ttagatatct ttgagatatt caagtggaaa
240tgtcatataa gaactggaaa caaagtgcag gactcagaag acaggtttaa aattaagagg
300caaattttag agttatttag atacagataa ttttcaaat ttaaaagttt ttttaataat
360aaatatctgt ataattatag aatcacaggg gattgcaaaa ataatac

407

<210> 2705<211> 389<212> DNA<213> Homo sapien

ctccagcctg ggctcaaaaa agaaaaataa attaagggcc cgctctttct caaagccttt
60gggggcccctc gggggcccctc agaaaacat aaaggggcct ttgaaaaact ggggcccctc
120gggaaccttt ggaaaaaaa gtaaggggtc ctttaaaggg gatcctgttt tgaaaaaatc
180gcccacttcg gggccccac tttgaaaaag ggggccgtgg gtttccctta cagggtccca
240aaccaatttt ttttcccta agttttttt tgggcctcgg catttaatat tccaccggg
300ttttccaagg cgggggttaa aaccaccaa acctgcccag ggccaggggc tccccctga

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389

<210> 2706<211> 376<212> DNA<213> Homo sapien

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120ttcttatgga gtgttagtca tcaatggagt ggaaagaatg cagtcaaacc tgacacctga
180gactgtatag tagtgaggct gattccttaa aaatcacacc agaactcggc caggagtgg
240ggctctcacc tgtaacctta gcactttggg aggccaagg gggcagattg cctgagctca
300ggagtctgag accagcctgg gcaacacggg gaaaccccg ctctactaaa atacaaaaaa
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376

<210> 2707<211> 375<212> DNA<213> Homo sapien

tactgctgct agaagacgac agaagggat gtcaaatcct actttaata tgaaagtaat
60caggatcaga gaaattacat gccagaaatt cacaggattt ataggtacag caaaatagg
120cagaaatcta tacactccag accgagaata tatccgaag tcagcagttt atatgaggag
180tcaactggaa atcattgcaa gtaagaaga gctagattaa tcgctatcct taaagaataa
240actaggcaga aacattagaa cagctgcttt caaatgtttt cagaactagg tataatggg
300gaaagaagct caggattttt agaggtaata ctctttttt attcctattc ttatttaaga
360gtaattaaca gcgag

375

<210> 2708<211> 413<212> DNA<213> Homo sapien

ctcctacgtc tcctatttgt ccccttttgg ctctccttac taactttaat ggccacaaca
60tttagcgaa agggggggcaa tcattgggtgg ttggcattc gcagagactt ctgtcagttt
120ctgcttgaaa ttttccatt ttaagagaa tatgggaaca tttcatatga tctccatcac
180gaagatagtg aagatgctga agaaacatca gttccagaag ctccgaaaat tgctccaata
240tttgaaaga aggccagagt agttataacc cagagccctg ggaaatacgt tccccccct
300cccaagttaa atattgatat gccagattaa actcctagag aggaccagc cacacacaga
360ctccacttgg ccttcgcctc ttgttcattc atcccaaacc tggaaatgga aac

413

<210> 2709<211> 395<212> DNA<213> Homo sapien

ggcacgagac gtcattggaa tgggtggttt gttaagcat ttctggcttt ccatcatggt
60tcatactgaa agtactgtag atgctagcta acctctgcc ttttaagaa taaacctttt
120ttttaactt aagaactaaa gctgagattc tcctattctg ttgttgagg gttccttgca
180tgcccgcaca tttatcaca gcaatttgag aagttttctt ttgtgttct gacaacaagc
240atttgaggag aaagccaggc ataaattagt tacgatagtt ggggtttaat gtttctccag
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360tgaaatgaaa tattgaatat taacaaaaat aaaat

395

<210> 2710<211> 383<212> DNA<213> Homo sapien

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60cctatcttca atccagagag aagtataaa ccaaatgcaa gtgaccttc agttcctttg
120aaaatcccc tgcaaaggaa tgtgatacca agtgtagcc gagtccttca gcagaccatg
180acaaaacaac aggttttctt gttggagagg tggaacagc ggatgattct ggaactggga
240gaagatggct ttaaagaata cacttcaaac gtctttttac aagggaacg gttccacgaa
300gccttggaag gcatacttcc accccaggaa accttaaaag agagagatga aaatctcctc
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383

<210> 2711<211> 386<212> DNA<213> Homo sapien

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60ggtgaggggc ggcacgggg gaggggcgtg catagttgag acagaaaccc ggaagaccca
120actgtggcgc ggcactgctt gaccgagggg ctccggagcc cagctgcacc ggctgcgggt
180tgagcgccca gggccgggg ggggggtgga ccgcgcggg ccttcgacca aagggtgctt
240aagctcgagc ccattacttt ctgtggactc tgactcgagc tgcaaaagct tttctgact
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386

<210> 2712<211> 382<212> DNA<213> Homo sapien
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120actcctctc cagggtcttc tgacatccaa ggccctttga aatctctctc cacctgcgaa
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240gcgagcctct tagagcagcc gggacctgct ggagaacaga acatggccta tgagcgcaac
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382

<210> 2713<211> 409<212> DNA<213> Homo sapien
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60gggggggaaa ttttaaaatc aaaagggggg gggggggccac cttttaatt gccggggcgg
120gggccccttt attttattat tgcctgaaag gttgcttgaa cccaggtttt ccccatcccc
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240gggggggaaac aaaaccttgt cgttcagcc cctgtgggtt ttcacctcac ttggggaacc
300ccataaaagg ggccgggtta acaaaccctg gttaaaggac atttaagaat ggaaaagggg
360gttgccaaa aaaaacccaa tttttctcc tgtggcgttc accccccc
409

<210> 2714<211> 408<212> DNA<213> Homo sapien
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120agtgcgtgga gctgctgctg gccctgggag agcctgcgga ggagctgtgc gaggagtctc
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360tcagggtgtg cgtgagggcc tcctcgtggg cttcgtacac tctatgtg
408

<210> 2715<211> 377<212> DNA<213> Homo sapien
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120tcattaaact gtaaaactctt tgcagtctca ccacagtttc tcttactagg atctagaaat
180atttctatt gtaggtgtgt tgcagtggct cagcctgta atcccaacac tttgggaggc
240tgagaagggt ggtcacgtg agggcaggag tttgagagca gcctgtacaa cgtggtgaaa
300ccctgtctct actaaaaata aaaaaattgg ccagggtgtg taacacacac ctgtaatccc
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377

<210> 2716<211> 388<212> DNA<213> Homo sapien
ggcacgaggg cacatgtag cgggtcagcg aaaagcccag tgctggaccg tgggacaaaa
60tggaacaga gcagctagca ctgtggagat gagaaggggc tgagattaga ccgagggaag
120gaggagtag ctgacaggct tccacaagcg gaaggtcgag cgaaagaagg cagccattga
180ggagattaag cagcggctga aagaggagca gaggaagctt cgggaggagc gccaccagga
240atacttgaag atgctggcag agagagaaga ggctctggag gaggcagatg agctggaccg
300gttggtgaca gcaaagacgg agtcggtgca gtatgaccac cccaaccaca cagtcaccgt
360gaccaccatc agtgacctgg acctctcg
388

<210> 2717<211> 396<212> DNA<213> Homo sapien
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120ctcacttccc tgttctctg gtactgtac cgctgggct ccaagacat gcaggcccta
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240gggccaagcc cagggggtcc tggggatccc ggggaaggac ctaggacgga aggcctagt
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396

<210> 2718<211> 386<212> DNA<213> Homo sapien
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180ggctgtgcca ggatgactgt ctcattgcccc ctctgcattt tgccttgag tggcagcgag
240tgtgcacccc cagtttcctt ccctggaacc ctgcagagct cacagggccc aggacaccaa
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386

<210> 2719<211> 371<212> DNA<213> Homo sapien

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120atgctgagga caggtgcttc cctgcctagg ctacctctcc eggcctgtcc ctggctccct
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371

<210> 2720<211> 389<212> DNA<213> Homo sapien

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120gagggatgaa gtcataggac aacgaaggcc tgttctcgac tacacagtgg ccaattcctg
180tttctgtggg agtgaccacc agccccaccg gctgggaggg agtaagtggg gatggtatcc
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389

<210> 2721<211> 404<212> DNA<213> Homo sapien

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180cccttttgag gaatacaggg gagaccaggg ggtggcagtg ggagggtagg aagtggtcag
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300gcttttttta cctgtcaccg tgtgatgtga aatcatgcat tttagagcaac ttggtaaata
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404

<210> 2722<211> 384<212> DNA<213> Homo sapien

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120ggaatacttg aagatgctgg cagagagaga agaggctctg gaggaggcag atgagctgga
180ccggttggtg acagcaaaga cggagtcggg gcagtatgac caccccaacc acacagtcac
240cgtgaccacc atcagtgacc tggacctctc gggggcccgg ctgctcgggc tgacccacc
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384

<210> 2723<211> 403<212> DNA<213> Homo sapien

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120gtgtgtcact ctgagtctgt gtctctctgt gcgcgagaga ccccccccc ctctcttctg
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300acgcaccccc ctcttttttt tgtgcccac cctctctctc gtgtggggtg tctctctctc
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403

<210> 2724<211> 397<212> DNA<213> Homo sapien

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120aatggaagat gatttgatac tgttcaccca ggaaaatccc ttttttagaa aactcagcag

180taagacctac agatcagcaa aggacctgac aaaggaacc atcgtgctga agtatgaacc
240agattctgtc aatccagacg ctctgcagag tcccatcgctc ttatgcggat ggcgatgaaa
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397

<210> 2725<211> 392<212> DNA<213> Homo sapien

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120cccagtcctt gccctcggac cagccggtgg ggaccttcag ccctctgacc acttcggata
180ccagcagccc ccagaagtcc ctccgcacag ccctggccac aggccagctt ccaggccggt
240cttccccagc gggatcccc cgcacctggc acgcccagat cagcaccagc aacctgtacc
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392

<210> 2726<211> 402<212> DNA<213> Homo sapien

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120ggctctgcct gatccagccc ttcctcgact tgcggcaaaag gatcatggct atcaaagcca
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240aaagcagggt ctgtgctgac agagtaagta cttatgattg tggagaaaaa atttcaagct
300ggttgtcaac attttttggc cgtccttgtc atttgatcaa acaaagttca aactctcaa
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402

<210> 2727<211> 411<212> DNA<213> Homo sapien

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120tacatgaagc gcaagtggga tggtagccac tatgatgcc tgagggactg cctcaaggcc
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240ctcaagtatg tggctgaagc cctggagtgc ctggacgact tcaaagggaa atttccggag
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411

<210> 2728<211> 402<212> DNA<213> Homo sapien

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120tgttgggaaga atactaccag attactacag cccggccatg ctgggcctga agaccgacca
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300cttggccgtg gagacagtgc ttcggatctg ggactgtttg tttaacgaaa gctcgaagat
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402

<210> 2729<211> 359<212> DNA<213> Homo sapien

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60gtgataagtt ttagaggtaa aggggcaaat gctttaggaa aatttcgtag caatatgttt
120ggtgttttaa gtagggaagg tctgagtga agattgcagc taaaagctgt ttattactaa
180agtgaaggcc agttatcagg aggatctgaa caggggaagga aaatgggctg aaatcacaag
240tttgagttga cagctgaatg tttctaggga gtcaaatatc cctaggattc acattgagtt
300aactgggagt ggcaagtga ttgatagtag tgaggacaga gagacagtca aagaaagg
359

<210> 2730<211> 347<212> DNA<213> Homo sapien

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60gttaggcaa acagatccct agatcccact cattgattct ggcggtattc ctaaagtgtt
120gcttaggggg tcagaatttt ctggatcttt gctaattcaa gctttagatt taatttaacc
180aggaccacat gcttgtcatc tctctgatgc aaattttcaa aatcatttta atttagattc
240taatgtctgc ctgggttttt aacaggctgt gaaccagtga gtgccttgtt aatgtagaat
300gattttttccc ccctgggtgg gtggtagtta gtcctctctt gaaaatg

347

<210> 2731<211> 342<212> DNA<213> Homo sapien
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60gtgaactgag gtttttacca caggcagtga atgaccttgg ttcaccaa at ttgcctctgt
120tttgaggggc ttggtccaga gtgacttgtt aatttactct aacttccttg tgtgttgatg
180ggtaagtaca ctcaaacact gaatacaggt gtgtgatggg tagatttcac agcccttcta
240ctaatagtga gtgtgaaggc aagcttgatg caaacctcc tgacctttcc tacctgaaga
300gccctttgac ttctaggaag aaaggtcaaa aatgttatct tt

342

<210> 2732<211> 335<212> DNA<213> Homo sapien
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60aggagcctca gaatattttg atgttaacaa aagagtcttg tatttcaaaa gttggagaaa
120cactcatcaa gagttaggag taaggcccag tgtggggttc cctctggtaa taccagcatt
180ttgggaggct gaggtgggag aatcacttga ggtcaggagt ttgagaccag cctggccaac
240atagcgaagc cccatctcta ctaaaaatac aaaaattagc cagctgttgt ggtacgcacc
300tgtaatccca gctacttggg aggctaaggg aggag

335

<210> 2733<211> 345<212> DNA<213> Homo sapien
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120tagagatgag aaatcctcct cctttgagga tggatttaag ttctggaaat aatctcaagt
180gcttgatagc acagctggat gaaaaaagat ggcaattaa gtaagttaca ccattttgt
240ttctaaaaaa tccctaagaa atttcttggg atgagctttt ggcctcagag cctctcaag
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345

<210> 2734<211> 336<212> DNA<213> Homo sapien
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60gtctgttttg tcttttatga aatgaggata ataatgcac taacctcatg gtcattggga
120ggattgagat aatgctaaaa gcctccttag cacagggtct ggtaatttaa taaaggttta
180ataaatatta ccatatgatt cttattactg tgaacagtta agaaatagta aagtataca
240taatgggtga gtacgaggca tgagaacaca ggccaacgtg atgaattgcc ccatgaatag
300tgctgtgtat aacctctcc aggccagggtg tcatgn

336

<210> 2735<211> 356<212> DNA<213> Homo sapien
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60aagatccttg acctgggct ctccctatg atttgccaca taacacagga cagcacccat
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240agaaggaaga ggataagagt aaaaggggga ataaagaatg tggaaggcac agagtacaga
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356

<210> 2736<211> 351<212> DNA<213> Homo sapien
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120ttttcatacc ctctagagtc acttatcaca aaagtaacaa tcacaatcct tggaaagggtg
180tactataacc ttaataaata agcaggtata catgtgtgga tttgtacatc ccaagagggtg
240ggactgatga gagacagcag cccccattc cccacaatc aatgaacaaa cctggtaaat
300actctctcca tcccctgtgc ccttcagctc aaatattgtg actctctttt n

351

<210> 2737<211> 344<212> DNA<213> Homo sapien
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180ccatccctcg gaagtgtacc ctggcatttc cataggactg ctctctctg ggcctcttag
240tgcaagccag cagtgaatg ccacatcaa gtttggtaaa tcaattctaa gtgagataaa
300ttaatgcctt ttttggggga agatgggaaa cagagtgggt ttgt

344

<210> 2738<211> 353<212> DNA<213> Homo sapien

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120caattcagtg accgcagcag tcccttcaat gctgcatgag cctgggtgcat gagcctgtaa
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240tagcacagtg tggctaatag aggtgctcaa gaaacatttg ttgagtgaat tgcgtaaagt
300gttataatca catctgaatt aataaataac ttaaaatgcc actgccgagc ttg

353

<210> 2739<211> 342<212> DNA<213> Homo sapien

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120actgctcaac cctaaagaaa tcctcaaacc caagtatcca ctaaggctgg attcaacaaa
180tgttttttagg gccacagtaa atatttcagg tttggcaggc catatagta caattactaa
240attctgccat cacagcagca aaagcagcca cagacaatac ataaacaaaa aaacaaacgg
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342

<210> 2740<211> 336<212> DNA<213> Homo sapien

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180aatcctcaac ttgtcatata aggtctctta tgttgctcct gctttagtgg ccaccaatct
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336

<210> 2741<211> 341<212> DNA<213> Homo sapien

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120tcgtcctctc cttgcccacc ccgcccgtg tgcaccata aatctggtgt gcaccacag
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240cctggcagtg tgcaggccca tgttgagcag ggcctgccc cttccttggc acctgtgatg
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341

<210> 2742<211> 340<212> DNA<213> Homo sapien

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120ggaagaatca caggccaact gaatgtggag tcagaccacg gtgttcagt gatcttttgt
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340

<210> 2743<211> 420<212> DNA<213> Homo sapien

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120ttttttattct ttttttttt aaaccatga tcttttttcc tgtgtccaag tgactgtgtt
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420

<210> 2744<211> 438<212> DNA<213> Homo sapien

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438

<210> 2745<211> 420<212> DNA<213> Homo sapien

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240agaactgcag caatccacag taatgttggc tacttctgag tatttgataa aggaacaaag
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420

<210> 2746<211> 424<212> DNA<213> Homo sapien

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60ccagaagacg acagaagggg cttctccagc acccagtgtc taatctcctt ggcctggaat
120acgaggcctc cggactggga cctgctgctc tctgcagcac ctggtgtcta agtgctcctc
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424

<210> 2747<211> 343<212> DNA<213> Homo sapien

tacgctgcc agaagacgac agaagggcac tgaatgaact ttaattgggg ttgttaaaag
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120acgatttttag tgacaaaaac tatggataaa actgcctaag cataacatta atatatttag
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240ggctttatcc ctagaatcaa ttctctcagc atcaccaaac tgaattgggtg aaatagtgtc
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343

<210> 2748<211> 337<212> DNA<213> Homo sapien

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120gtgggatttg aatgcccagc aaagacattt tattttactt gaatatattc ttgcttcact
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337

<210> 2749<211> 406<212> DNA<213> Homo sapien

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120ctgggtcccc ggggaaaacc ttttacccca aagggtttta ccgtgggcaa ttaaccgaa
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360cggaccaggg aaaaaggggc ccctgtgaa aatttaggga aaattg

406

<210> 2750<211> 371<212> DNA<213> Homo sapien

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120caaccctcaa ccctgaaaga cagttaatct gttaggtgca ctgttacttc atggattagt
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371

<210> 2751<211> 340<212> DNA<213> Homo sapien

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120tgatgtgttg ggtaagagat ggtttaaaag tccagcttgc tgtttttcat taagtgtctt
180gaaaatgagt aagtggcggt cctggagggg aacaatcata taattccgca ggggtgggtct
240aaacttgttt tctgatagtg tttagcagct catggctctg agggcacctg ataacacagc
300agccaggcgc tgatgagaag tgtgtgccag acagaccgn
340

<210> 2752<211> 397<212> DNA<213> Homo sapien

ggcacgagcg agaagtcacc tttctccaga tcaactctgta gagtcagtgg actcaatata
60gtggcagcag gattttaata taaactggca gactgattct aaaatttaca tagaggccag
120ccgtggtggc tcacacataa tcgcagcact ttcggaggcc actgcaggaa gatcacttga
180gccagaagt taaagaccag cctgggcgac agacacttcg tggcttattt ttttttaatt
240attaaaaacg aaattttaa caggtgtagt ggctcaccct tgtaatttca gcactttgga
300atgctgaggt gggcagatca cctgaggcca ggagttcgag accagcctgg ctaacatggc
360gaaaccccg tctactaat aataccaaaa aaaaaa
397

<210> 2753<211> 350<212> DNA<213> Homo sapien

gcctacggct gcgagaagac gacagaaggc cagctgcatg cctctctgcc tctctgtct
60gccacctcc tctcgagtg tgctactctg ctctgtgact gtcctcatg cagctcgag
120ccatgtttcc tctctgcttc ttgatttgc ttagctcctt ctagtgcctt gaaactgaag
180ctggcctgta gttgggatca aagatggagg gagaggggag attgtactat ggatagtga
240gggcaagaag tgaattctta cactggaatg ataaaaggaa cctgcttctt gagtttctta
300aaattgtgtc tggaaactcag atttgcactg ctagtatag tagctgtctg
350

<210> 2754<211> 381<212> DNA<213> Homo sapien

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60caatagtctt ttctacaagc agaacattaa tattcttgtc actctgaatg taggcacaga
120tttttgcctat ctttatctt ttttgtgtgt gtgtgacaga gtctcactgt caccaggctg
180gagtgcagtg gcgtgatctc ggctcactgc aacctctgcc tcccagggtc aggcgattct
240cttgccctcg cttttgagt ggctggggtt gcaggcgcgt gccatcacgc ccggctcatt
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381

<210> 2755<211> 388<212> DNA<213> Homo sapien

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60tcctaaaaaa taccatgcag gattttgtga atgaattact ggaaatccat ctaaattgtc
120ggaagacagt tctaaatgca taactttctc atggcttaag gttgtgctgt tcactatggg
180aaccattatc cacatgtggc tgtttgtgtt aattttttac attaatata actcaattac
240actagccacg tatcaactgt taaataataa ccacatgtgg ctagtgccta ttacttgaa
300cagcataaat agagaatatt tccatcttca tagaaagctc tcttagaagc atttgtctaa
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388

<210> 2756<211> 368<212> DNA<213> Homo sapien

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120aaagacagct gcctgaaaaa gtccctgatc taagcatgaa tgaaagataa actttatgtc
180ttaaattatt aagattttgt ctttgaaca gaagcattag cctatcctat cctgactgat
240atgaagccat ttacagcttt taggtagaca tgaacaagg tcagatttgc atttttaact
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360ctacctcc
368

<210> 2757<211> 369<212> DNA<213> Homo sapien

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120agattcagat cactaacttt ccattcttcca ctttttccag tgggtggccat gttccccctg
180ttgccttcac aaaaaccttg tgaataatac aagccatatg gactctgatt tacagttag
240aagatgagca gaggtgggtg tgagttgccc agtcatgttg ctagtgttg aagaaactag
300gattgttctc aggtcttggg ctcttgccc atagaccagt ggctctgtgt tctgatggg
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369

<210> 2758<211> 405<212> DNA<213> Homo sapien

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60ttcctcccct tatttgtaa atgaagcaac atagtggagc gtcgtctcta caaaaaaaaa
120gaaaaaaaaa aattagccag gcatgcgaaa cgctgagggg ggaggatcaa atgagcttgg
180gaggttgagg ctgcagttag ccttggctcat gccactactg cgttctagtc tgggcaacag
240agtggagacct tctctcaaaa aaaaaaccca aaattgtaaa attacttcta tagctatatt
300ttatgataaa aaaggatgg tttctcaaaa tcgcatttta aagacgtttt atggaacttg
360ttggaatggg gacttaggag ttttgatttt gataaaaaac tggaa

405

<210> 2759<211> 399<212> DNA<213> Homo sapien

ggcacgagat tttgcatgt tgctgggct ggtcctcgag ctctgagct caagcgatct
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120ctcaatacac tattaatac atcagaccct ttggtacctc taggcagagg accgcaatta
180atttatgagc agctgttgct gtatacatgt aattatgttt gactacaaat gcatctttac
240aaaaatgggccc tagtggaatc ataataaaa tggttcagat taacttaatt cagattaaga
300aaattgtttc atactgaggt aagcgattga aaaattgtct atttaaaat gcagtgcatt
360ttaaagagtt actatttgag gatctaaaat atacagaga

399

<210> 2760<211> 375<212> DNA<213> Homo sapien

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60agtccccatc cgcacagagc tgacattcta gaacagaaga tagacaataa acaaggtaga
120caggcaaaat acatggatgt tggatgaaga agaatcccat ggagaaaaaa ataaaacaaa
180gaaggagagt tgctatgaca gtgaggccaa gataattgca ggaagtagc cctgatacca
240aggagacaat aaaccactac ttcaggactt ctagtatttt aagacaaata aactgggttt
300gtttaagact ctgttaattt ggttttcttt acttacagct gaatgaattc ctgagaccgt
360gtgtaggaag gtgca

375

<210> 2761<211> 374<212> DNA<213> Homo sapien

ggcacgaggg cagaggttgc agtgagccat gattgcacc ctgcactcca gcctgggcaa
60ccaagtgaga ctgctcttt taaaaaaaaa aaaaaaaaaa aaaaaggggg caaaagttag
120gggggggggg ccacattttt taatttttta aaaagttagg gcccgggggg gggggcaaat
180ccctgaaacc cccctttttt ggaagcccag ggggggggga ccccggggg cggttattc
240aaaccacccc tgcccaccgg gaaaaaaccc ccccttttat aaaaaaaca aattaacccc
300gcctaagggg gcctcccctg tatccccct tctccggggg gggggggagg gaaaacctt
360taacctgggg gggg

374

<210> 2762<211> 375<212> DNA<213> Homo sapien

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120aactgacccc ttcaatgcaa actatctatg caaactgacc cttcaaagg ccattgtgag
180caggattatc cagatgttag ctgccacctt caggggaattg ctgttctagc tttgctttgc
240tactggctc tgtgccacat gatgagcctg cactttcagc tcagctgctt tgtgctgctt
300ttactgagtt tggctgagac tctttgagag aattctctga cctaggtcag taatttagat
360aatattttgt tagtt

375

<210> 2763<211> 398<212> DNA<213> Homo sapien

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120cagtgatatt tacttagaat gggttaattc ctttaaaac ttttttttg ctgctcaggg
180aaaagtgact tgataacaca cagagtgacc cctcatgttt gcaaattcca ggggccatgc

240ctagtgactg cataatacga ggggctggag ccctgatccc tgtcataagg catgtaacag
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360ggctgcgccc tctcatgctg tccattttga gtaacccg
398

<210> 2764<211> 376<212> DNA<213> Homo sapien
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60attgttcaca tgagaacatg tcctggcaaa aaaagaaaaga gaaaataaga gaaaacaact
120aaattgttgt taatgttaga taaataagag gcacttattg attcaaccac agttttcttg
180agatcaactt taatttttgt ttgtactttg gtggtagctt ttttcatttg aaagaaatcc
240aaaattaaaa ttacattgtt aactaaatct tacttttttg tgtgaatttt tgtaattaat
300tttcataaga cactcttgtc tttagtaag tttcttggtt gtaacaaca caacacaatt
360tatcactatg aatgaa
376

<210> 2765<211> 383<212> DNA<213> Homo sapien
ggcacgagta tttattgaat tcttatttaa aacaaacaga aacataagg gcaaggggca
60gggagaggaa agcctggcgc ctacaaacat gaaataacgt aagatgtaaa acattgattc
120atatacaaat ggtaaattcc aagtgcctctg ctactaacta tggggcacct taaacattgt
180tcggcaagaa gaattctcata gtgtgataac ttaatgcttt aagtttaaat atatttcata
240agttttacca atctgatgtg ttattttcta tagatttcca gcacctatct agagagcaat
300tgacctatac cgctgagtcg ttattatgtt ggtgctaact tttgttgact agcatttgct
360gcaagaggca ttctgggaag agc
383

<210> 2766<211> 373<212> DNA<213> Homo sapien
tacggctgcg agaagacgac agaagggaaa tcataaggat attcttattg tgaataccct
60gtagcagggt aatctggact caaatcaggt tgcccatggt tcccaaatc acttcattac
120tttcccaacc acttccccct taacttgctt tcccctgaac cgtagcaaat agtaatgcat
180gacaagctga taggaggaa aacatgacaa gtgaggttga gttagaaagg aaaagcaggg
240ctatgaggaa ctgaataaga gatcagattt gtatttttcc tttggagtct tgagaattgt
300aatatttgaa acccttgga gaaaataaaa tcataaccaa gtgactcaga anaaacatac
360taatgctaac tgt
373

<210> 2767<211> 379<212> DNA<213> Homo sapien
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60tctctcagac tcctcagccc cagagagtat caggggtttt tcccgtcct catggacccc
120accactgcc catgactgct actccccgaa agcttccaga gggtagagt gcaccacttg
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240agcctaagga ggagatatca ggaagcggaa ctgagcctgg aggagcaaag gaggaacca
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379

<210> 2768<211> 338<212> DNA<213> Homo sapien
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120ctgaggaagt gatgaaagaa tggaaatcaa tatgtaagag ctcaaaagtc agagtgagat
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240gagccaaacc taccatacag ggatacatc tctggaggaa agttgagcaa ctattgcatt
300tgggacatta aagtatgggt gggctgacag gtatgtgn
338

<210> 2769<211> 390<212> DNA<213> Homo sapien
ggcacgaggg caggcagatc acttgagccc agaagttgag accagcctgg gcaacatggt
60gaaacctcat ctctacaaaa aatacaaaaa tttagccagac atgatggtgt gtgcctgtgg
120tcctagctac tagggaggca gaggtgggag gatcacttga gccagaggag tcgaggctgc
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240aaaaaaacca ccaacaggga aaggccagga cgacgaggag aagttggtat ctttttgta
300gctccagagt ttgtgctggt gaaagaaggt taggatgtan aaaagggtatt tagagacata
360cagtggctgc tcttcagtat tcttcaaggg

390

<210> 2770<211> 375<212> DNA<213> Homo sapien

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120attgcttaag tcaactataag aatgttttct gttacctgca acccaatgca cccaactaat
180aaagtatgtt tctagaaata cacttgctcg cactcatttt ttaagacaca cagaccacat
240acacatggag agatattttt aaaggtcttg tactacataa attgtactat tttttaattt
300aaaaatatgg gccaggtgca gtggctcaca cctgtaatcc tagcactttg ggaggccaag
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375

<210> 2771<211> 379<212> DNA<213> Homo sapien

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60gaaaccctgt ctctattaaa catacaaaaa aaattagcca ggcattggtg cacacctgta
120atcccagcta ctgggaggtg gaggtttag tgagccgaga tcatgccact gcactccagc
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240ctacaagtta ccaaggtcat ttgtttattt ggtcatttcc ttgaggcgga gaggccaaat
300tgccttggtt ttgtaccagc gccaacctc tgatgtttgt tgaattaatg aacaccatt
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379

<210> 2772<211> 330<212> DNA<213> Homo sapien

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60aattttaatt tcaaaataag aatgttgaat ttttaaaaag caagttgctg aggtaataca
120aatgtatgac acaacttata tatagtttaa acataatata acaagagcaa atagtaaatt
180atgaatttga atgcatatgt gtggagagtg tgggggtgag tgtggatgtg ggggggatgt
240nnnnnnntnn tgnnnngntg tgtnntann ngtnntttt tttctttttt ttgnntttt
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330

<210> 2773<211> 348<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggcat acagttggga aaggaagaag caaatatc
60tttatgtata gataattggg ggcacaaaaa attctaggga acctccaaaa tatttactag
120aataaaataaa attagcaaaag ttataatgaa acataatgtg gccaggcatg gtggctcagc
180cctgtaatcc cagcactttg ggaggccgag gtgggttgac cactgaggt agggagttg
240agaacagcct ggccagcatg gtgaaacct gtcttacta aactacaaaa attagctggg
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348

<210> 2774<211> 408<212> DNA<213> Homo sapien

gtcttgctgt tcttaacctt ccaaagcagg caagtagacg cacatgtgtt ttacacacgt
60cattggaaga aggttgcaa taccagcttg gttgcaagga aagaggcaat tgtgaggact
120ccttctcaca ctgcagtaat ttgtgagtg acctgaca aggatcttaa tgcacagag
180tctgtttcct caaccccaaa atgaagggtt tggaccagat gccctcaagg ttcctcaagg
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408

<210> 2775<211> 337<212> DNA<213> Homo sapien

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120ctcaaattgt aggtcccaga gttctacatg gggagcatct acttggtgct tgtatcatgt
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240tcatgccttc agaataaatg tatagcacat ttcaccaggt tagaaactcc acaaagggt
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337

<210> 2776<211> 338<212> DNA<213> Homo sapien

ttactgttg gagaaagcga cagaaggggc tgggggagct gcctgtgcc tggcctggcc
60aggaggtccc tctgcccgt cagctgcccc tgcaactgca cgtcccatg ctctgcagt
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180acggcctctt gtgaaattat caaacgtcac caggtgccag aggcaggtgg gcagaacgag
240gctgaggttc actgggatgc tgtggttaag gcctctgctg acctgtgctg tgccggccac
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338

<210> 2777<211> 376<212> DNA<213> Homo sapien

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120cagaataaaa gttttaaaat taaaaggggt atccaagtat ttttaggagc ctagtatttc
180ctcacttact cccaaactct aaaagtagat tggctttatg ttaaacagag aattcgtaca
240gaaaaaatct tcaggactgt attcattcca taaataatgt actttatttt attgcatatg
300gctattaagg agggcatcca tgatcaatac agactaata caatgcacta ttctagtcca
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376

<210> 2778<211> 357<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggtct attactcgac tttgaatttc tcacacagct
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120tgtcaatata tgtatctgca agaaactgcc agaaaacagc cagtatacct gtaagggtt
180caagctaaat agaatttata aagacactat tacagagata taggcagagt tagggactgg
240caccaggaa ctcacaatag cagggagccg ttagcacctg cgatgggctg aatcatgttc
300ctccgagact cacaagtga agccctatcc cccagtacct gataatgtga ctgtatn

357

<210> 2779<211> 375<212> DNA<213> Homo sapien

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120gggaaggaa ttgaggtgtg gtataagcag ggaagctgt tggatgcaag gttggagta
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240atgatttgtg tggatctgtg tgaaattctg acttggctag cctatttcaa aatgcacgat
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360gacatatctc acagg

375

<210> 2780<211> 337<212> DNA<213> Homo sapien

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60gaagtccaca ggtcatctgg gtcatgtct gatctgagcc agcctcactc actcatgtgt
120ctggtccact ggcagtttga aagggaaact aattacatg tctggcagtt ggctgaatgt
180tggttagagc aataggatga ctagaccata taccttttgt tctccaacaa acagttgcag
240gggaccagg gagcaagtgg aagcatgcaa tgcttcttaa ggtctagtat cagaagttgc
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337

<210> 2781<211> 391<212> DNA<213> Homo sapien

cgttgtgtc gggacaaagc aaaacacata ccataaatgc ttatcattta gatcccaggg
60gccccaaatc tgaactggag catgagtttt atgaattaga acctctggct tcccacagct
120gcactgcccc tgagaagacc acttatgaag agaccacat ctgctctgaa tttttcaaca
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240gcactgaaag tgacgtggc tctgccttgt tacagcccc tcttgaacag cataccgtgt
300gtcacttctt ctctctgaat cagagatgta gctgcccaga tgccatacaa cacttgaact
360atggcccaca ctcttgccag cagatggggg a

391

<210> 2782<211> 378<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggtgt aaggggaagg caaatactgg atcttgggaa
60ccactgtaat ctactttgtg tctagcctat ttcttatatc cattgatggg tcttgcctg
120gctgtgcttt cctgttggct ctctttgatg ctggattctc tgtacctgc tcccacactg
180cctctgtctg gctttctca gatataagg accaagtagt cacatttccc ctaccatgca
240ttgggtgtgc ttcttactg aagaaaacac ctagggactg accactctc cctccacca
300gatcttccca acccagtgtg ttctgaggct ttagggtaag gcagctagt aaatttttct
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378

<210> 2783<211> 362<212> DNA<213> Homo sapien

ggcacgagat gaaggcccat gaggcggctt ttattgaaca ggaacaaaaa gaagctgttg
60cgtgagctga gaaagcaccg ggagcgtgtg gagctgatga tggatctgcc tggggtttcc
120attgcagacg agggggagac tggcatgttc tccttgtgca ccatccgggg tcaccagtta
180ttacaggaag taacacaagg ggatatgagt gcagcagaca catttctgtc cgatctgcca
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300gacctggatc cagaggagct ggcaggagtc aggggacatc aggttctaag ggacaaaaag
360cg

362

<210> 2784<211> 336<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggcag ggacatgtct gacccaccc agtggccagc
60tcagagcctg ataagtgtag gtgcccaggg aatgtgggtc agtgaacata agagggact
120tcattggagcc caggcgtggg cagggcactc cgtgggtggg tgctgagtga agaggcaagt
180agatgaaagg gcccaggtca tcctggccat gtcaggagca gggaaggggc cacctgggtg
240aggggatggc cagaggagct gtggggcagc attgcgggca ctcacctggg gggcctctca
300tccccattgg gccccgactg ccggcatctc ccttgg

336

<210> 2785<211> 378<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggctg tagtcccagc tacttgggag gctgaggcaa
60gagaatcact tgaacccggg aggcggaggt tgcagtgagc caagacagca ccactgcact
120ccagcttggg taacagagcg agactctctc aaaaaaagag caacaacaac acaaaaaaaa
180accatagcca tatggcttga gtaaggaaag acagagttgc tatttgttga gatggggatg
240acagtgaata gagcaggctt ggggtgggtg aaagtgcata tgtaagtgtt cgatttttga
300tatacttaat ttgaaacgtc attatacaac caagtggaga tcttgcattg acactggaga
360tacatggcca aaaatatn

378

<210> 2786<211> 373<212> DNA<213> Homo sapien

ggcacgagc aagatggag cgactacggc tgggtgtggc cggctagagg aagagggcgtt
60gcggcgaaa gaacggctga aggcctcagc ggagaaaacc gggcgcaagg acaagggaaga
120tggggagcca aagaccaagc atctcagaga agaggaggaa gaaggcgaga agcacaggga
180acttaggctg cggaactatg tcccggagga tgaggacctg aagaagagga ggggtgcccc
240ggccaaaccg gttgcagtgg aggagaaggt gaaggagcag ctggaggccg ccaagcccga
300gcccgtcatc gaggaggtgg acctggccaa cctcgctcct cggaagcctg actgggacct
360caagagagat gtg

373

<210> 2787<211> 410<212> DNA<213> Homo sapien

ggcacgaggt taaacagaag agccatcgtc caggatcagg gatgtctgcc tggccttatt
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120ttggcagaat gccgtgcaaa cagagaaaag atgaaaggag aactgggtat gatgttgagc
180ttacaaaatg ttatacagaa aactacaact ccaggagaaa caaaacttct ggcctctgaa
240atctatgaca ttcttcagtc ctccaatatg gcagatgggt atagttttaa tgagatgaat
300tcacgtcgaa ggaaagctca attttttctg ggaactacaa acaaacgtgc caaaacagt
360gttttgcata tagatggcct tgatgatacg tctcggagaa atctatgtga

410

<210> 2788<211> 407<212> DNA<213> Homo sapien

ggcacgagc tcgtcctgcg gcggccccc agcccacctg cttcctatcc gtttcctgca
60agatgggtgcc cctgcatec cctcaccat tgctcacgga aggaaaagca gacgtggcca
120gcctgcatec tctgccctcc ctgagcctcc tggcctggct ggccacagct ggcattggag
180ccatcagcag gctccgtgca ggcggacggg ggcagccccc acagccaggg caccctggac
240ctcactcacc agcacccttt tggcttttct ctagcaaaat atgcaaaagt tgaccagtgt
300ggaaaaccaa aggtgagtgg gttccggctg caagccacca aggttcagc tttgggggtg
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407

<210> 2789<211> 388<212> DNA<213> Homo sapien

ggcacgagtg aaaaccttat tagtggtgtg atagtagaga agcttttagt caaaagtcag
60tttattaaat gtttagaata cctaaacagg aagaaaattc tattgttttt tataacaaag

120tggagattt caagaaagga caactcactg tacacttgag aataatacct acagaggttc
180atactgaaga gtagtctcaa taatgtaaag aatttgacaa gcatgatgct attgaaatag
240ttctgtaagg aagtgggtgt ctttatacat caattattac aaaaagcagt gaattgtaag
300tgtgaggtgt gtttacttag atgtgaagag ttctccttac tgctgtgatg gaataacaag
360ggtcagattt cctctcctgc cttaaacn

388

<210> 2790<211> 334<212> DNA<213> Homo sapien

tctacggttg cgagaagacg acagaaggga accagaacca tatagttagt gggatctggg
60aaagtagttc ccagcttaac agttaacaca ccacgcacca ccagtacaat ttgtgttttt
120gttctggtgg ttaccattat attaatacct ttatatggtt ttctaatttc cttctctttt
180gggggggagg ggtattatgt gtctggctct cccattttac attaactatc actaatcttt
240taaatgagta ttacattagt gtctttatcc gcggactgcc tcaattttca ttttatttct
300tccatgagtc aacggccctt attcatactt taac

334

<210> 2791<211> 399<212> DNA<213> Homo sapien

ctccgttgct gacggtgccca gggaaacgga ttcatctacc cacgaaggac gcgggagatg
60aggtgccagg gtaaacagcg ggaccgccca ctatgtcacc ctttcctgcc gactgcccg
120aggaactgca tgcagggcgg cgggtccgt ggcaggcaga ggcaggaaga ggcgcggagc
180ccgctcgtgg cgaaaagggg agtgcggcgg gaggggaggg cagaggcagg cggccggctg
240cgtggggcct gggccgcccc agggggcct ctggctggat tcttagcaga tggagccgt
300gcaagggcag gaggcagggg cctgacgtgt ttggattgag gttgcaggag gggccctgg
360ctgcttcagg gagaataatt tggaggcgag cgngagggn

399

<210> 2792<211> 395<212> DNA<213> Homo sapien

ggcnnnnntc tgcagcgcc tacggctgag agaagactac agaaggcac agaaggcggc
60tctatgagaa gagctctttt aatgtgggaa ttgatataca agaaggtact tagtccataa
120gatcaggatg tacaagataa cccagaggg cyctcagcca agtttagagc cactatcaaa
180ttataagtta ccatcatctt attcttcaaa tttttctgag aggttctcta gtcttactc
240atggtatgtt cctgaatgtc ttgatatagg ttaagtatg ggacagtcta aaaattgata
300acatttagca ttttttttcc tcacaaagaa actgtggaaa atattagcat gacagagaaa
360gttccactca cggagtagca tctcaagacc ggaaa

395

<210> 2793<211> 372<212> DNA<213> Homo sapien

tctacggctg cgagaagacg acagaagggc ctgagggtct gctctgcctg cctgaggact
60gacccaagct atattctgag tcagggctag ggcagctta gtgccaccac aaaggccttc
120cctcagcata tataacctca ctgtctccca ggagctatgg gggtaataca ggcattggga
180gatgctggag ggaggcaggg tcttaattgg ctgatcaact caaccaagta acattggta
240atggcccaag gtcaatgtgg ggagtgtcaa ctggataaat gatattcagg gaagcccatc
300cctgttctgc tgcaagtctg gagagcatgc cacaggtagg cagcgcttgt gaaggtaaga
360tatggaggcc ac

372

<210> 2794<211> 372<212> DNA<213> Homo sapien

ggcacgagag agagagagag agctagtctc gagagcagct cttttttttt tttttttttg
60ggggggggga aaaaaccccc ctttttttgg gcttttaaaa aacaaccctt ttcagggaac
120tgggggactg gaaaataaaa ctccccggg gttgggtttt tgggaacctg aagcctttta
180gaaggagag ggtttttttc caaaaacccc aggggagggg gggcttttga tttttggaac
240acaaaaagg gcccccttg gggggggaaa aaggctaaac cttccccctt acctggggaa
300tgagcccccc cttttgtccc cttctggggg ggggggacgg ggcccttttt ttttttgacc
360cagggggcgg tt

372

<210> 2795<211> 393<212> DNA<213> Homo sapien

ggcacgaggt cccacctgaa gaaaatccat ggggtgcagc agcagtatgc ctataagcag
60ggcggggaca agctctacgt ctgcgaggat tgcggtaca cgggccccac ccaggaggac
120ctgtacctgc acgtgaacag tgcccacccg ggcagctcgt ttctcaaaaa gacatctaaa
180aaactggcag cctttctgca gggcaagctg acatccgcac accaggagaa taccagcctg
240agtgaggagg aggagaggaa gtgaggagaa ggaaggagg gacagacgtt cacttgcca

300cgtatgtcta cgtggatttt tggttttcag cttccccac cccactggct cttcttaatt
360agaagtgacc agttcacctc tgtgtccttt tga

393

<210> 2796<211> 353<212> DNA<213> Homo sapien

tacggctgct agaagacgac agaaggggaa ggatgtggct ctgccatgaa ggatgtcctg
60ttgccttttaa aatctggaag cgattcaagc caagctgacc aagaagccaa agaactggct
120aggcaataaa gctttaaggc agaagtcaat tcatctggaa agactatctc tgagtcagac
180ttaaaccact ctttttctact aactgattta caagatgata tacctacaac attccagggt
240gctacggcca gtacatcgta cggagtccag aattcctcag cagcatcctt tcatcaacct
300acccaacctg tagctaagaa tacctccatg agccctcgac agcgccgggc cca

353

<210> 2797<211> 379<212> DNA<213> Homo sapien

ggcacgaggc aggaacagcc ctcaagcctg tgtcgggtggc ctgcacccag ctggcatttt
60ctggccctaa gctagcgccc cggctcggcc cccgcccagt gcctcctcca cggcctgaga
120gcactgggac tgtggggccc ggccaggccc agcagagact ggagcagacc agctcgtccc
180tggcagctgc actgagagcc gcagagaaga gcattggcac caaggagcaa gagggcacc
240ccagcgctc caccaagcac attctggatg acatcagcac catgttcgac gccctggctg
300accagctgga cgccatgctg gactgagccc tccagcagtg cccactgtga cctgccgaag
360tccactgcct ttgccccag

379

<210> 2798<211> 380<212> DNA<213> Homo sapien

ggcacgagat tcttttgtct aaaacttctc gaaattgatg cttgtactct actggctccc
60tgatgatagt agaaaagcac tagtaatgta ccaaataaaa ctggttgtgt accagatgat
120tttggttaact tcttaaatag cctagaaatc gtcagcaggc cacatacaac tgcagtgata
180atttcagaac atagcaaaat ggctgataat ttggatgaat ttattgaaga gcaaaaagcc
240agattggccg aagacaaaagc agagttggaa agtgatccac cttacatgga aatgaagggg
300aagttgtcag cgaagctttc tgaaaacagt aagatactga tctctatggc taaggaaaac
360ataccaccaa atagtcaaca

380

<210> 2799<211> 340<212> DNA<213> Homo sapien

tactgttgcg agaagacgac agaagggggt tgtctgaatt gggaccggaa aacgttgtcg
60ctcatcctat gacgcgaaag taaccgagac tatcaggatc cggagacgga aatgtccgaa
120ggcagcagta cttgacctg tattttggga gtcgaacgga gaatggaaac tgaaagtgga
180aatcaggaaa aggtaatgga agaagaaagc actgaaaaga aaaaagaagt tgaaaaaaag
240aaacggtcac gagttaaaca ggtgcttgca gatattgcta agcaagtgga cttctggttt
300ggggatgcaa atcttcacaa ggatagattt cttcgagaac

340

<210> 2800<211> 368<212> DNA<213> Homo sapien

tcgaattccg ttgctgtcga gagctaggag ttggatgggg aaggacgccc ggccaaaagc
60caggaaaagg ggaagcgctt ggatggaaag gacgagtttg aggacctcga gtggtccgag
120gagggtccaga agctgcagga gcagcagctg cgcagcgacc tcctggacca gtaccgttcc
180ctgctggttg agcggaaaccg ctcccagcgc tacaacctat acctgcagca caagatcttc
240gaggcgctgc gcagaaagaa gggcctggag gccgctgagg tggctgaccg gggcgagag
300gccgaggccc ccgagaaaga gcaagcgtag ctgcgccatc tgggcatgct ggaggagctg
360aagaagcc

368

<210> 2801<211> 413<212> DNA<213> Homo sapien

cgacgaggca agatggaggc gactacggct ggtgtggggc ggctagagga agaggcgttg
60cggcgaaagg aacggctgaa ggccctacgg gaaaaaacg ggcgcaagga caaggaagat
120ggggagccaa agaccaagca tctcagagaa gaggaggaag aaggcgagaa gcacagggaa
180cttaggctgc ggaactatgt cccggaggat gaggacctga agaagaggag ggtgccccag
240gccaaaccgg ttgcagtgga ggagaagggt aaggagcagc tggaggccgc caagcccag
300cccgtcatcg aggagggtgga cctggccaac ctgctcctc ggaagcctga ctgggacctc
360aagagagatg tggccaagaa gctggagaaa ctaaaaaagc ggactcagag ggc

413

<210> 2802<211> 386<212> DNA<213> Homo sapien

cggttgctgtc ggcggctccg atttatgtct gtgggagtct cggagacgtg tctgggtgtg
60aggcgtggg tgcacgtccc cagggtctctg ggctaggaag gcagcggcga ggtgcctccc
120cacgtacccc tcgcggggccc agccgagcaa cgtggggcga aggcggcggc gaaggcccgg
180gctgggagcg ttggcggccg gagtcccagc catggcggag tctgtggagc gcctgcagca
240gcgggtccag gagctggagc gggaaacttg ccaggagagg agtctgcagg tcccagaggag
300cggcgacgga gggggcggcc gggtcgcgcat cgagaagatg agctcagagg tgggtggattc
360gaatccctac agccgcttga tggcat

386

<210> 2803<211> 344<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggttt tcaaactgga gaaagtgatg gatgatttca
60gaacttcagc tcctgagcca agaggtcctc ccaaccctaa tgtcgaatat attccctttg
120atgaaatgaa ggaagaata ctgaaaattg tcaactggatt taatggatc ccttttacta
180ttcagcgact atgtgaattg ttaacagatc caaggagaaa ctatacagga acagacaaat
240ttctcagagg agtagaaaag aatgtgatgg ntgttagctg tgtttatcct tcttcagaga
300aaaacaattc caatagttaa aatcgaatga atgggtgatg tttc

344

<210> 2804<211> 437<212> DNA<213> Homo sapien

tagtgcttct gagattccat ggagagcttg cttgatcttn ngccccgcgc ggcctacggc
60tgctacaaga ccacagaaag ggattacagg tgtggggccac cacgcccagc cctcttgtgt
120aattttttgat aaataacaca ttactattg ttggtttaat gaaaacagct caattctgag
180gtattgctaa aatactgata tttaacctta agtttcttac ttaggtcaga aactcacagg
240ctattaaaaa ggtaacagg aaatagcttt aatgatgac tatcacagtt ttcataaata
300acctatgtaa actatcagca ttactcatgt taatgtaatg gaataaatgc ttataaacia
360acttgatata taatttagaa tctaaagtta cattaataa taaaactcat taactgggta
420gcttctaatt taaaaac

437

<210> 2805<211> 385<212> DNA<213> Homo sapien

gcctacggct gcgagaagac gacagaaggg catagaggag taattgggta attcctgtgt
60cttagggaag tctctctggc tcccaggagc agcatactag acacagagga ccaagtagtg
120ggctcctagt atccttctgg tggccaaagc cttcacagtg aaaatagata ggaagagcca
180cctcgcctgg cccgatattt gtttttaaaa ggctgggcat ggcttatgcc tgtaattgta
240gcacttcggg aggccgaagt agggagatca cttgagacaa ggagtttgag actagactgt
300gcaacatagt gagagcccat ctctacagaa naattttgta gggccgggag cgggtggctca
360tgcctgtaat cttagcactt tggga

385

<210> 2806<211> 401<212> DNA<213> Homo sapien

ggcacgagcc accatgccc gccaagccat gaaatcttaa tggctcaact aaacaaacat
60ttattttctca ttcacactac atgtccatgg tgaggaagac cactctgctc catattgtca
120ctcagagatc tagacagatg gagtctttac tatcttatga tgttgctgtc tcaacacaca
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240ttggccctgg ctagcatcag tcctatgaat cttctcagt gctagggagt tgggatgtgc
300agtccctcct gatgcccac cagaacaggc aaaccagata ttactgagt caagaaatcc
360ctactatgtg tactgaggaa caggattcaa gctgtattag a

401

<210> 2807<211> 401<212> DNA<213> Homo sapien

cggttgctgtc gatcttggtg ctctccaggt gatgtgttg tgatatggg tcaactaagt
60aagacagggt tccaggtaga acatagtttt tgctcathtt tctctgggtg tccagggctg
120ccatccctac tctactctg ccttggtgaa ttcttccctc aaagggttta agcgtcttaa
180gtgttctca cattcccaga taagccttgg tgctctacct gggatgcagt cgggtcccgt
240taccagatg ttgaaggat taaatacttc catgcctgaa ctgggtgattg gacttggtga
300aatgtttttc cttttttcct cttttgtccc ctggcactgg gatgggtggg gtctgtgggt
360gctgtctcaa ggtgccctta aaaaaggaca actcagaaga g

401

<210> 2808<211> 424<212> DNA<213> Homo sapien

tgctcgagag agagagagag agagagagt ttatagagag agagagagag agagagagag
60agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag

120agagagagag agagagagag agagagagag agagagagag agagacacac tctctctctc
180tctgagagtg tgagagagag agagcggggt gtgagacccc cccctctct ctctctgtgt
240gtagtgttct tctgtcgcgc ggttattttt atctatctct ctctctctct ctcatatata
300ccttttcccc cccctctct ctctcacaca catatttttt ttttttttt gtgtgggtct
360ctctctctat aaaacacacc cctcttttt tttctacttc tgtgtgtgcg ctttcttcac
420accc

424

<210> 2809<211> 407<212> DNA<213> Homo sapien

ggcacgagaa gagatatata tcagcttcta gtaaaagttt ttttttttaa acctgctagc
60tacatttaca ttatgtaaaa ataaagggaa taactactga gaataaagca gttgagtatt
120tataacaata atattttatg gggcgcttat aatgtttata atattgtaaa ccactgtgta
180ctctattcat ttaatgctaa atgacttgac cattcttggt ggataagaga tcattaaaaa
240aatgctaggg ccgggcacca tggctcacgc ctgtaatccc aggactttag gaggccaggg
300caggtggatg acttgagctc aggagtttga gaccagcctg ggcaacatga tgaaaactcc
360gtctctacca aaaatcaaaa aaaattatcc aggtgtgatg ttgtgtg

407

<210> 2810<211> 411<212> DNA<213> Homo sapien

ggcacgagat ttanaaaaaa tactaatacc atagcattaa ttgtgatgat gaaaacagca
60ctgtgtctac gttgtcagaa aaattgctcc tttttaccac cattgactca tttctgtgtg
120ttcaggtctc ataaccagtc tatagtcaat gtcatcttgg ggacagtatt ctttgagttt
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240cttgatttat tctgttttct tccagcataa agtgatgcat gaaaagcctg atgaatcttg
300ttttcttccc ctgacagaca tatgtggtt ttccttatat gcccaaagga ttttttccct
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411

<210> 2811<211> 381<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtcc aagcaagtag ataatgtaat aatcaaaaaa
60taaatataaa agtacaacaa tactacatac tctgaaggag gggtagatga atcatgctat
120aaaggcatga tcaaaataaa aagtttggat ctgcacagag aggtcagagg tttctctgtg
180gaagtaataa gagaattaag aactgaagga aaagaagggg ttaactarag aacgacaaag
240aatcacattc taaggaaagc aaataacaag cactaagatc ctgtggttgg agagaatatg
300ttattcagta gagccacaag atggtacctg tggctagaat gctagagaga gtagagaaca
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381

<210> 2812<211> 394<212> DNA<213> Homo sapien

ggcacgaggt gacctcaggc ctacataacc tttctgtacc tcaacttcct catccagaaa
60acagggatga tgctgtctac ctcatggat ggttgtgcag gatcaaagat tcagtcattc
120agcaaaccta taccgagtac ctactgtaca ttcattgagt ctaggcagcc agccttccag
180gtgtcaggt acatctgtga acacaactgg ctattggagg aagcaaaatc agtaacatga
240cctgctctct ttgatctgtg ctacagaaaa aaaggaaagt ggagaggcat caggaaagtc
300ggagtgtggt ggaggggctg gtaacagtca tggattataa gaggagggca ggcaggcctt
360actgtgaagg tggatttga gatgaagtag ttgg

394

<210> 2813<211> 386<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggga ggattttcta attcttttct agttttgact
60ctgtagtttt tcataagcag taggagcatg atcatgagac ttaggaggag caaactttgt
120cccagtatag ttttaagaaat ctcatatctt tatacaaaat atgtttgcag ctgaacttta
180cataccatct tgggtgtgag acagtcagat aggtcctcct gtgtgtatag tgcctacaaa
240tcccaggaat atgaaaattg tatagattcc tagttgtctg ctagagaagt gagagttgaa
300atgttcttaag atataaggaa atgcaggttt tgccttagtt atatataaag ttgtcatcat
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386

<210> 2814<211> 385<212> DNA<213> Homo sapien

cggtgtgtc gatttttaat tgagcaaata ttgtatagat ggttcatttg gtcacccatt
60ttgaataata tatggaaagt taaaaaatgc ttctcagata caaaggaata aagctaagat
120gaagcttaac gtgaggggatt acttactgtg gaattgcatt tcaaactggg ctgaggtggg

180atgggtggg tagataagag gccagctaga gtaaacataa gctttgtagt tttattattt
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300ctgcagcttc taactcctgg gctcaagctg tcttctctgcc tcagcctcct gagagctggg
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385

<210> 2815<211> 392<212> DNA<213> Homo sapien

cggtgctgtc gaaaaaaaaat tagctgggagc tgggtggcaca ttctgtaat cccagctact
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120attgcgcatt gtacttcagc ctgggcaaca agagtgaat gccgtcttaa aaaaaaatt
180tcaaacatgc agcaagggtg aaagaatact acagtgaaca cccatatgcc ttctgtttgg
240attcgactgt taaccaacat ttaaccattt tgctttaact etatatcctc cctttcttga
300atgatttgaa attaaattgc agatatactg cttttccctg taatacctca ggatgcatgt
360ctttgaaata atgctttttc ctacgctttt cg

392

<210> 2816<211> 406<212> DNA<213> Homo sapien

cggtgctgtc ggcgcggggg gcgcagctta tgagggcgcc ggacctggga agccgattcc
60aatcagttgt cagaccggg aagcccgacg ttccgctctc ccgagtcctt ctgtggggtg
120aggaatgggt cttgtgaaat tctgagcaaa aacaaaggca aactctatct ccgaaaggga
180cgtttggtgc acatttcctc tctgggggag gactccaaag ttctcaaat gagaaggcag
240aaatgaaaac acttcaactt ttttttctt ttcttcccg ggcggtgtgc ttgaacctt
300cttctccccg cccctctggc tccgttctcc tccctcctc caccgtctc ccggactcgg
360gggtggcgcc tgacacctcg acactttcgg acactgtttg ggtaan

406

<210> 2817<211> 405<212> DNA<213> Homo sapien

ccatcgattc gaattccggt gctgtcgaaa attttaagt tccattttct agccttacca
60cgtatcaagt gctccatagc cacacgcagc cagagcctac tgtactgtgt agtgcagca
120taaaacatgt ccatagttgc agcacgtcc attggacagc atgcttagga caggagtgt
180gccttgtcta cctggacctg cccctaatat tggctagcat ctctcacat ggaattctgg
240aagcctcgcc ccttctttc ctcaccccca gctctgtcc tcaactgtga gggccttggg
300tgtgcctgga gcagaggcca ggcaggccct ggaagcagtc ttgggtgta tggatggggg
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405

<210> 2818<211> 386<212> DNA<213> Homo sapien

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60ccgggcttgg gggggccacc cctgaatccc cattttgtca ggaggctaaa ggggaagaat
120ccccctggcc caggggggca agggatccag ggaccaatgg tttaaccatt gctttttacc
180tgggggaaaa aaaggaaacc ccgtttaaaa aaaaaaaaaa aagaaaaaat tctaaaaacc
240cttattttta taaaacttaa aaaggcgagg aaaaaatagg ttttattatc ttattttaac
300aaagggaaaa ttgggggcta aaaaaataaa agtttattgc taagggcctt gggcttaaaa
360tttgcaaac ccttgtttta aatccg

386

<210> 2819<211> 386<212> DNA<213> Homo sapien

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120tatctggctg tggattcccc tccaagtggg ggaggatggg caggctgggg atcctggggg
180aaatctctgc tgtcgtcagc atctgccaca gtaggcatg gattgacggc agtcaaggaa
240aaagcaggag ccactctacg gattcatggt gtaaattctg gatcttctga aggagcccaa
300ccaaatactg aaaacggagt ccctgaaata acagatgcag ccacagatca gggccttgcg
360gaaagccac ccactttccc ttcac

386

<210> 2820<211> 380<212> DNA<213> Homo sapien

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60tcagccacag ttgcacaggt gcggctggac ctggacctgc tgagggagggt tctcagggtc
120cggagctggc cttagggtgt caccatagt agatcctgaa ggcttcgaag aggccacaag
180aagtacagga atatagccca gtcttagcgg aggccatgca gcagatgggg ccctggggag
240ggattccgga gcacctggtc ccatgctggg gctcagcatc gctgtctgtc cagggatgag

300catgcaaagg ccacatcctg ctgggtctaa gctctggatc ctggtgagga cagaactcag
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380

<210> 2821<211> 396<212> DNA<213> Homo sapien

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60ccaagaacac gtgatggctg ttactgcacc cgcgaaatca ctgacacgaa aagttcacgc
120tggtgcctat cctacagaag aggggtgcat cttcttgga gtgaaagacc agctgctgct
180catgtacctt atggatttga cccacctcat tctggacaaa gcctcaggag gatctctcgg
240ggacatgatg cagttttgag actggtggag attcgacagg ttttgga aaa gcttcgtccc
300ttggaccaa agctgaagta tcaaattgac aagctgatca agactgcagt gacaggcagc
360cttagtgaga atgaccact tcgttttaag cctcag
396

<210> 2822<211> 382<212> DNA<213> Homo sapien

cctggcaaac cttgttgccc tggcagaaaa tataaccag gaacgtgaca gtcttatgtg
60tttgcaaaa tgtttagaaa gtgagaagga tggagtgtt aataaagtca taaaaagcaa
120cattcgctc ggaagtttag agga aaagt caagggctac aagaagcagg cagcactgaa
180gctgggggac atcagtcacc gtctgctgga gcagcaggag gacttcgccg gcaagacagc
240ccagtaccgg caggagatgc ggacacctgca ccagggtgct aaggacaagc aggaggtgct
300ggaccaggcg ctgcagcaga acagagaaat ggaaggtgaa cttgaagtta tttgggaatc
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382

<210> 2823<211> 382<212> DNA<213> Homo sapien

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120gatgagtttt caatttacca gggatacata attttaatt tgtatacccc taacagcata
180actttgaaat atattttaaa aaattactgg aactacggaa tattcaaaat cacaaaggga
240cattttcaca catctcacag agggacattt tcacacatct ctctcaaaat tgatgggtca
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382

<210> 2824<211> 405<212> DNA<213> Homo sapien

cggtgtgtc ggcgcagtc tgtagtcca gctacttggg aagctgagggc aggagaatct
60cttgaaaaccg ggaagcggag gttgcagtga gctgatatca caccactgca ctccagcctg
120ggaggttgcg gtgagctgag atcgtgcccc tgactccag cctgggcgac agagtggagc
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300gatgggtcaa aacagcatac tcaatgttgc ctcccaata aaaaaacctc ccgaccattg
360tacttcttctc tttgtggtag gtactgcaac ttgcagcaac ttgtt
405

<210> 2825<211> 418<212> DNA<213> Homo sapien

cttgttctnn nngcccatcc catcgattcg aattcggcac gagtgggaagc ctggcaggcc
60actcgagttt tctctaggag gttaggtctg actgaggctc cagtcatttg ctgagccctg
120ttcagctgga gctggatgaa caaaagcttc catgacaggg ttggagttca ggatcctctg
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300aacaatagac tggttgactg gttcaatcag gctcttgaca ttctgtagg tctgttcacc
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418

<210> 2826<211> 404<212> DNA<213> Homo sapien

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60gaggattttt tgaagatgca tctcagtacg atgaaaacct ctggtccag gacatgaacc
120tttcccgccc tcttctgaag gccattacag ccatgggctt caagcagccc accccgatcc
180agaaggcgtg catacctgtg ggtctattgg ggaaggacat ctgtgctgtg gcagccactg
240ggacaggtaa aactgccgccc tttgccctgc ctgttttgga gcgtctgatt tataaacccc
300gccaggctcc agtcacccgc gtgctggtgc tagtgccac ccgagagctg ggcattccagg
360tgactctgt caccagacag ctggccagct tctgcaacat cacc

404

<210> 2827<211> 357<212> DNA<213> Homo sapien

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60gggagccctt atgaagttag aaaagctact ctgaaccatg cttctttcta caagtttagg
120aaaacatttc acgtaaaaat gaacaacaga ttgtggtgat ggttacacaa ctctgaatat
180aaaacactga actgttggtt cacacctgta atcccagcac ttggggaggc ggatcacaa
240gtcaggagtt tgagaccagc ctgggtcaaga tgggtgaaacc ccgtctctac taacaatata
300aaaaaaaaaag aaaaatttagc cgggcatggt ggtacgtgcc tgtagtccca gctactg
357

<210> 2828<211> 361<212> DNA<213> Homo sapien

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120agtgcagctc catctcttaa aaaaaaaaaa gtttattctt tcctgtgggg taagcagagc
180tgaagtttta aaaagacagg gggggatctt cattagggaa ctgggcaatg ggcttctcat
240gttaacaatg ttgacaacaa cagccaaaag gaaaaatgta aaaacaaaa aaaaagctgg
300cgcaggggct cagcctgta gactggcact ttggatggct gaggcgggga ttgcttgagg
360c

361

<210> 2829<211> 375<212> DNA<213> Homo sapien

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60gcatctctcc tacatggaag taagtcttat tcctgtcaat gttgtctttg tgtgtgacag
120attaggatta aattatgggt tgacttttcc tagcagcgtg atcatgggca agtggctttt
180tttttttttt gaaaaaaagt ttattttttt tcccaggtg gaagggcagg ggcacaattt
240gggttacttg aaactccggc ccccgggcca aggggatttt cgggtggaat tttttaaga
300agtgggaacc ccccccccc cgggttaatt ttggattttt aggaaccaac aagttttccc
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375

<210> 2830<211> 378<212> DNA<213> Homo sapien

cgttgctgct ggattccagg tgcattgctac cagccccagc taattttgta ttttttagtag
60agacgggggt ttaccatggt ggccaggctg gtctttaact cttgacctcc aataatccac
120ccacttcagc ctcccaaagt cctgggatta taggcattgag ccagtatgcc cagctgttac
190ttttttttta gccattggga aaagtgtttt aagttacatc ttgtttgctg atataataac
240tacaagtttt ctgttatgac tttgaattca caatcttctt aaacttaatt aattctaatt
300tatctatttc tatctacata atatctgtga atgagtttct ttttagaatc ttacagcttt
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378

<210> 2831<211> 371<212> DNA<213> Homo sapien

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60cttgcatag tacattaaat ttggatgttt tggaagcaaa ttcatacgat cgtgagtgat
120ttctccaaag aaaaaagcct tgtccagcct gaccaacatg gtgaaacccc atctctacta
180aaaatacaaa aattaaactgg gtgcagtggt ggcgcatgct gtagtcccag ctacttggga
240ggctgaggca ggagaattgc ttgaaccctg ggaggcagag gttgcagtga gtcgagatcg
300cgccactgca ctccagcctc ggtgacagag caagactcca tctcaaaaca aacaaacaaa
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371

<210> 2832<211> 375<212> DNA<213> Homo sapien

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60cagggtggcaa ggaatgactac agggagtcac ctaagcaaac tgaaagcagg attcagaac
120atagttaaat catagctcgg tttactaaac tataaaacat tctgtccttt tacttgaaa
180aactagctga atataaatca caaacttgaa aaaactactt ggaaaccact agtttagttt
240ttattttaaat tttaaaaaat ggtaataaag cacataactt atgtgacatg gaagcaaatt
300taaacattt atgagtaatt atatttttaa agtattagat accttagctc aacaatagca
360tagaaagtta ggctt

375

<210> 2833<211> 348<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtt ctaagatttc caaaatacta taaaatattc

60tcattgttctc aaaggcagaa ccagcctttt aaaatttaatt ttaatcagca ctttaaaaaat
120tattcctatga attgatgggt gtagactaga tagttatccc taactatttt ttgtctcctc
180ataacagaat taaatctttt tagctattgc tatgtgtctt gcctgtgcat ctaatggaaa
240ttgtatacat ccttgctca ctgatttagg gcttgataat atgacataat ttgaccaatg
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348

<210> 2834<211> 348<212> DNA<213> Homo sapien

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60agtaacaagg gaaatcaaca cggaattgta ggcctaaacc actggcttat aaccagatta
120tggggcccctt taagaatctg ataagaagtt cgcattttct ttatccccag aatagacata
180cataaaaaata atgcatacta agtatctggc attcatagac tttccctaaa tacattaatc
240acacattatc agtcctgct gttaaagata ctacaggctc ttgaaaaatt ccctcttagt
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348

<210> 2835<211> 379<212> DNA<213> Homo sapien

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60tggctgagac tgccttttga ctgatgactt atgttttagct ctgatgtgct gacagggaca
120aaatgctgga gaaggaataa aaaaggaata atccaacaag gatcaagaga acaggaaagg
180agacaatagc taatgaaagg tttccaacaa tttgggggag ttgaaaaaaa agagtcgagg
240taattgactt aacagagaaa gctacaacct cactgattac agaggggaac acggaaagga
300ggcaagccta tttaccccca cagaatcctg gaaaaattca gcaattggaa gtacaaagtg
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379

<210> 2836<211> 374<212> DNA<213> Homo sapien

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60agatcaatgc tacctaccac ctgtacctgt atgggtgaag gcagaagaca gggagctcta
120ctctgccttc cactctccct atcttatctc cctttccct gagcaaaata ttgtcacaat
180caacctgtag cagatgtttc ctgtgctttt caaacatacc aaaagtctgc tcatctttaa
240gtcaattcca ccacaacaaa gaggttgatt acaaagatcg tcaaagagct cacatgaaaa
300tagtgtttct ctgtccattt aaaaattact cagctgatgc acttacaagc ttctaattca
360caataatgac gatt

374

<210> 2837<211> 372<212> DNA<213> Homo sapien

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120tactttaaat gagacatata tcatgttcat tgaacagatg actcatcaag ataccaatta
180tccacaaaact gatcaacgga ttcaacgtaa ttccattctt agtctgttta tgctgctatg
240acaaaatacc tgagactggg taattcataa aaaacaaatg tattttggta ggtttggtgg
300tctggttagg gctatatgct cccgagggga gaaacaccat gtccgcatgt ggcagaaggc
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372

<210> 2838<211> 378<212> DNA<213> Homo sapien

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60caaaaagttg gttaaacatt ctcttagaca ttgcctgtag tagttaattt ggggaacaga
120tattctttttt gcatttgagt gtaagaaaag gaaaaagaca gtttgatat ggaagttctg
180ttgtgttctc tctctcctc ctctcaaaag atgagtcatt taaagttgat tcaggtgcca
240gacaatgaaa aagaggggtg caatgtctgc catatgaatt gaaatgtttt gatgagaggg
300catctgcagg agaattatct gggggtggtc tatctttctt tctctggctc ttttctctc
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378

<210> 2839<211> 344<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggca ggatatcgga agccctgatt agattctatc
60ctaagagcaa cagaagatca ctgacagtgt ttaaataga tagactagtt tattagattt
120gcagtttaga agttcccttt ttttgtaatt attggacagt gtagagaccg gatggtgaga
180gatgagtttag gaagttgtga cagctctcta tacctaccgc taatgtagag gattatttat
240tttctatttca ttaccattcg tgtaagggtg gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt

300gtgtatatct agtttctcta tagaacatat atgggagaga gaga

344

<210> 2840<211> 347<212> DNA<213> Homo sapien

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60aggctgaggg aggagaatgg catgaacccg ggaggcagag cttgcagtgc gctgaggtcg
120cgccactgca ctccagcctg ggtgacagag caagactctg tctcataaaa aaaaaaaaaa
180aaaaacattg ccttgggggg ccggccgcgg ggttacaatg tccaaccgg aaacctttgg
240gggtgctgggg gtgctgttcc ccaagccaag gttttctccc cccccggccc cccccgggga
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347

<210> 2841<211> 347<212> DNA<213> Homo sapien

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120atacctcaag aacctggcct atgcctatag ctgacctct gtccagtact tccaaatgac
180tagaatttct ggatcaaaaa caaaagcagg cagatcacta agatttggtc agacacaaga
240aaataatgga tccaagaaag caagtttct atggttaaga ggttaagtaa caattgtaac
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347

<210> 2842<211> 346<212> DNA<213> Homo sapien

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60gaatctgatg gttactttta ggactaagac aaatattgtc agttcaggtc cttgggacct
120atacctcaag aacctggcct atgcctatag ctgacctct gtccagtact tccaaatgac
180tagaatttct ggatcaaaaa caaaagcagg cagatcacta agatttggtc agacacaaga
240aaataatgga tccaagaaag caagtttct atggttaaga ggttaagtaa caattgtaac
300aggaagagaa aaagacatgt aatctacaca aggagggtag gggcag

346

<210> 2843<211> 346<212> DNA<213> Homo sapien

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60catatgcact aacacatgtt tgaggtagag aattgaagct gatttttctg ctaaagatga
120atttctatta acaatcccat ttttatattg tattattaaa acaaaaatac ctctctttgc
180tagagagtat atgtatgact tatattatta actatggttt gcatttaaca catggccgat
240tgccctgtaaa tctgcttatt ttaacaacat acggtgctgg gcacagtggc tcacgcctgt
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346

<210> 2844<211> 373<212> DNA<213> Homo sapien

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120agtttaatta gataagggaaggaggaaatc ctaaatttga tggattcttt tatactgtga
180atatatttcc atcagtgttg gtaagatatc aaatgactat cagttgatcc cagtcacag
240tgacttattt gcatatttaa gccctattca caagagacca taatcatttt aatcttatat
300tttccctcag gaaatttagg gactctgaag cccctatttt attctcttgg agtaaactgt
360tgagtgtagt tac

373

<210> 2845<211> 345<212> DNA<213> Homo sapien

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120ttaagtcact gaaagtgtgt actacaaaag acttccatcc actattagct gatattcacag
180tgtgtatcac cttaaaatgc ttagggaggg cagatagctg tgctctctac ctttatctgg
240agttattgag tctgatccct tcgggcgagg cctcattccc acttccatgg ctggtttggg
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345

<210> 2846<211> 374<212> DNA<213> Homo sapien

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120tgtaaacatt aaaaacggat ttctgtgtgt catcctaaag attttgagat tcattgtatta
180atttgttttc agaaatttaa gggattacaa ttgctagtaa aattgaactt cgaataata

240ttttctctgg tattagattc agaaagccag cgattagaag agatgctaac tgtgtttgga
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374

<210> 2847<211> 351<212> DNA<213> Homo sapien

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120aaattctgtc actctttttg ataggaaatt accctaacag cctcattttt tccatcttag
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240tactatactt attcgtagtg atactgtatg agagtactgg tcaggggatt gggatttgaa
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351

<210> 2848<211> 345<212> DNA<213> Homo sapien

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120taagcccata gattgtgtgt gtgtgtgtgt gtgtgtgtgc atgcgcgcgc gtgcgcactg
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240tcagaatcg taaagggata tgctcagctc cacagccagc cgtgggatct cagtcccaac
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345

<210> 2849<211> 368<212> DNA<213> Homo sapien

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120gggtgaggaa tgggtcttgt gaaattctga gcaaaaacaa aggcaaaact tatctccgaa
180agggacgttt gggtcacatt tctctctgtg gggcggaact caaagttctc aaaatgagaa
240ggcagaaatg aaaacattc aactttttt tcttttctt cccggggcgg gtgtcttgaa
300cccctcttct ccccgccct ctggctccgt tctctcccc tctccaccc gtctcccgga
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368

<210> 2850<211> 347<212> DNA<213> Homo sapien

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120ctatccatga aaaccaacca caaatccatc tgtactacct acccgtcac tctcttaaaa
180gcaaacaaaa caccacacac acaacactat actgtcttaa aaagtctttg caaatgcata
240cctctgtgga ttgaaagccc tctcccagtc ttcttatctc aaaggccaaa ctcaaaatct
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347

<210> 2851<211> 343<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggggg aagctcaggg ttggactttt gatgcctcgc
60aaagctgtga tacagatact tacacatcta aaacagaagc tgatgacaag aacgatgaaa
120aatgcatgaa agttgactta gtatcttttc catcttcacc tattatgggt gataatgata
180gctctgttac aagtataag gatcatagt aaatacttga tgggaattagt aacataaaac
240tgaattcaga ggaagtaaca cagagccaat tagattcctg tacaagtcac gatggtcac
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343

<210> 2852<211> 374<212> DNA<213> Homo sapien

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120ccctctccag cttcacgtcc tcaggggtac agatacagcc ggggctgggt gtcacagcaa
180gcaccctcca tctctgtctc tgctcctaag ggcccttctt ggtgtccagc ctggggcctt
240tgctagggtc gagcaagggt gatccgtggg aagcatgtga tggggcaggg cagagggtg
300gggcgagggt ggagttcagc acaggaggtg tgtcacagtt ggggcgtagt tgtaagtgt
360ggcctcatgt gtgt

374

<210> 2853<211> 377<212> DNA<213> Homo sapien

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60agaatcaaa caatgtaatg atgcacctgt ttctgttctt caggaagata ttgttggaag
120tcttaaatct acaccagaaa accatcctga gacacctaaa aaaaagtctg atcctgagct
180ttcaagagt gaaatgaaac aaagtgaag tagattagca gaatctaaac caaatgaaaa
240ccgattggtg gagacaaaat caagtgaata taagttagaa actaaagttg agacccaaac
300agaagaactt aaacagaatg agagcagaac aactgaatgc aaacaaaacg agagcaccat
360agttgagcct aaacaaa

377

<210> 2854<211> 371<212> DNA<213> Homo sapien

ggcacgaggg cagaggttgc agtgagccaa tattgcaccc ctgcactcca gcctgggcaa
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120gggggggggc cccaaatttt ggatttttaa aaaatttggg gccggggggg ggggcctaac
180ccctaaaacc ccaccttttt ggaaggcaag ggggggggaa aaactggggg ggggggttca
240aaaaccaccc gacccaacgg ggaaaaaccc ccgtttttat aaaaaaaaaa aattaaccgg
300ggattggggg ggtggccctg aatccccact ttcccggggg gtgggggagg gaaaactgtt
360taacctgggg g

371

<210> 2855<211> 347<212> DNA<213> Homo sapien

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120ttctgcaatc tcaatctgtg tggggtaggc tggatatctg agggccttgg caattccttc
180ctggaatatg gggaggagag gagagaagag tcanggccca ggcttgggtc agcctatggt
240cttgacaggg ggagagcttt ccacagccag gcctaccatc aggggaacaa ctggagggtc
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347

<210> 2856<211> 329<212> DNA<213> Homo sapien

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120ctccctccct gtccacctt ctgcagtcg aggcactcgc ttggcctca ggacacacct
180gccttgctcc ctctgcaggc cataacatcc ccttcctctg acctcttcta aaatctcctc
240cttcacgtgg ttcttcata ctatggcca ctggactact gagcctaata atccaaaaat
300tgaaaccctt tttcttcaag ggtgggaag

329

<210> 2857<211> 325<212> DNA<213> Homo sapien

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60taaaacttca gaaattagat gaccaaattc tacaacttct aatgaaact tctaattcaa
120tagataacgt tcttgagaaa gacccagac caaaaagaga cacagatata acttctgaaa
180gtgactatgg aaacagaaaa gaatgcaata gaaaagtccc tcgaagatca aaaatccctt
240atgatgcaa aaccattcaa actattaagc accacaataa aaactacaac tcttttgtaa
300gttgtaatcg taaaatgaaa ccacc

325

<210> 2858<211> 380<212> DNA<213> Homo sapien

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120tgtctgatca attagtagtg gctgcctaga actgcactgg ccaatatgtg aaccattggc
180cacatgttgc tacttaaagt gagaaattca ttgcttcagt cacactagcc atattacaag
240tgccttatgc ccggacactg aacatttgca tcatcacaga aatttctatt ggccagcgct
300gacttagaac gtcattgttg gaagagaagt gaggccgtgt ctaggaagca tgagagatca
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380

<210> 2859<211> 463<212> DNA<213> Homo sapien

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60agacaggata aacatctggg aagcacaggt atatgaggca cagaaacaca aggcactgtg
120gatgcctctt ctgtctggac agaaaactgg agtcaggaga cctctctgag tccccagaga
180cagaatcatc actactgtgt gtccttgga cttaaagtag taaaaaaaaa aaaaaccggg
240ccgaaagtgc acagcttgca ccttgaaaaa ggaccctcac aaaaacccaa ccatgctggt
300acctgatttg ggacttccaa acttccaaaa ctgtgagaaa aaaaatatgg ttgtggttta

360taagccaccc acactatggt attttattat accaccccaa ccaaacgggt agggtaaagg
420tagggatttt ggccaatttt taccttacc ctcaacatta gaa

463

<210> 2860<211> 422<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gtagaggtta tagagagaga gagagagaga gagagagaga
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120gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagcgccc
180ctctctctct ttttttcgtg cgctcttgcg atagatatct ttttttctct ctgcgcgctg
240ttttctcaca cacacacaaa aaagcgctct cccctacac gccccccct ctctgtggag
300tgtagaatat gtgtgcgcgt gctttcttct tctctctctg tgaggggggt ttccccccct
360tcgtttgtgt gtgggtctct tatgtgtgt ttctctcgcg cgccgcgaca ttttaaaaaa
420

422

<210> 2861<211> 380<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtc tgagtatagc aatatctgtc ttcaaaatgc
60aattttcatc catcagatct ttcatttctt catgattatg aaatcctaa ataaaaaac
120agaaagtgtt agctagtact caataaaata acatatcatg attacctctg aagttaaaga
180ataacctgca catccatgca ctaaaaaggt tactgtaagt ggatatccaa ctggagaaaa
240agttgaagca aaattttgaa ccttatagag cataaattcc aaaaagtcca gaaatttatt
300taaagtcaat gaatttataa aagtaaacac gcacacacac atgcacacca gagagttttt
360aagagtttca gaattggaat

380

<210> 2862<211> 450<212> DNA<213> Homo sapien

tcttcttttt taggatccca tcgactcgaa ttgggcacga gtgggtgtcc actagtatgt
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120tctgtgtact tctggcatct tttttggtag gatcatttgg caggggggag ggggtggaagg
180cttttggcac cattgaaacc agttctggcc catttgtttg aatagctaac atacacatca
240gctctatacg ctccatatac cacctgatag aaccctgtaa taatgctctt gaaagtgtaa
300cactcatgct tctaccaca agcaattaac ataaagctta tacgccagct gtacgacgcc
360cattgtttac ataactctc tacttttaat tcaaccatct tttgcacccc tcgattcgat
420cagctccacc tctagtctct acgtatcgtc

450

<210> 2863<211> 398<212> DNA<213> Homo sapien

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60aatggcttca agtttattga atgtctcaaa attatgtttt gagtaaggcc ttgtccttca
120ctcaaatatt caaattattt tcatcataat ttaaatctcc aaatatatag tgttttattt
180tcagatatga tatatactgg aaacaggggc aagtattctt tatcaatatg atacttttag
240aaaaataattg ttttcatttt tgtgaaattt atttcagaca gtctcaaccg ccagtgaact
300acagaaacca atttactgga ttgtagctgg taaagccctt gattatgaac agatgctgct
360tctcatggct aatgtgaaat gggatgtaga aaaaaata

398

<210> 2864<211> 408<212> DNA<213> Homo sapien

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60gagagagaga gagagagact ctctctctct tacatagcta gatatacaca tatacacaca
120cagacagaca cacctgggtt tgctctcccc cctctctctg tgctcccaga gctacgcttt
180ttttgtgatg tctctcgcgc tttctctctt tctcgcacac ctctactgcc ccccttctc
240tttttctctc tcgcccgcct tttttttttt tttcgcacac actgcccggg gtgaaactcg
300ttcccccccc ccgctctttt ctttttttat gtcacgctcc ccgaggagg cgtggctgag
360aatggcttcc atggagtctc ccggtgaatg cttttctctg ccacaccg

408

<210> 2865<211> 399<212> DNA<213> Homo sapien

gatcaattcg gcacgagagc atgtgaaaag tccctggggc agaatcaagc ttggcatctt
60caaggaaatg acagagaggg ccatgttgca tgggtggaga ctggcatgag atgaggctgg
120agaagggtca ggccacacag ggctggataa agggctctga cttcattctt ggtgtgatgg
180gaagcccttg gaggatttta agcaaaaatg tgccacgatt catgctggtg ggtctgtgga
240agatggattg ggataagggt gggagtaggc tgggaagggt atctacacaa ctccatcctg
300ctatgaccgc tgcccttaac tatttaagg accctggctc gaaggggtga ggaggacatt

360ttatcggaga cagagccctg agggacctga ccccatggg

399

<210> 2866<211> 388<212> DNA<213> Homo sapien

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60caatgagaat ctgttaccga aactgatata aactccctca gaaagaaaga tactactccc
120taatcctgga agtggttaagt ggcaataatg atcaaatgtt gtaaagggga ttgttactac
180agctaataatg aaatgggagg ctggactaaa tctaaccctt ctacccttga tttcaattct
240aaaaggacac gtactacat tgcagaaaga aaagacagtt ccaaatgata aattttagag
300ttgttttgcgt aggatgcaag agaaattgga taagtggacc actcatacgt tgctggtgag
360atatgaaata gtagagccac tgtggaan

388

<210> 2867<211> 409<212> DNA<213> Homo sapien

ctggagtgcg gtggcaccat cttggctcac tgtaacctct gcctctgggg ttcaagcaat
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120cgaagtgcgt ggattgcagg tgtgagccac tgcgtccagt ctggcgcca agtttaagaa
180gagcatattg tcatggcctt acatcagtta tatgctcctg ggtaacaaac taccctaaaa
240tgaagcgact taaaacagta agtccttggg catcatcatg tgggagtatg gatgtgggca
300gggctcatct ctgttccact tgctggccac gctagcaagg gcaattaaca gttggcaggt
360aggctggcct gtgcttccca ttgcccctcac ccacatgggc tttcagccc

409

<210> 2868<211> 413<212> DNA<213> Homo sapien

ggcacgagga agtaaccacc attcccacct ttcactgcct aggtccaag tctgaatata
60tttttgaaat aggaactccc ttttgcaaaa aagaaacctg ggtgtcagt aggtgaagt
120acttgcccta tgagcagaca gcatgccaa aatggaatta ggctcaggat ccagcctggg
180ctcaccctgt gtggctcatt cccaccagg aaactgaaga taaaagattt gggaaaacac
240accaagaaaa aggggcagtt ttctttgccc aagcatttgg tgctagttag aggtgttca
300ctctctcctg ctctctctcg gagtagaaat aaaggctgtg acacaaggaa gccagtggg
360tgggagggag gcaccataat cctccctat aaccacaga agactaacct gat

413

<210> 2869<211> 401<212> DNA<213> Homo sapien

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60tctgccttgg gtgtccctgg gtgtggcagt cgggaaggca ggctccggtc gggatggcag
120ggtcgggtgg cctgaagaag cccccacccc agcagggagg caggatcca gttagcagga
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240agtgcгааagg ccctgatatg ggaccaggaa aaggagctgg ggctgggccc aggtggagga
300ataggcagcc tgcaagagtg ccagatgggc cccagtgggt tgtgtgtgca gaagtgcgct
360ctgggtccca ggtggagtgg ggcttatagg ggtcaggaac a

401

<210> 2870<211> 414<212> DNA<213> Homo sapien

ggcacgaggt ggtgctggcc cgggctagcg gggccttgcc ccctgagcgg ctgagccggg
60ggtctggggg cactctcag ctgcaccatg tggacgtgtg gccctcaac ctgctgcggc
120cccggggtgg gcccgctat gtggtgtct gcggcctctt cctgctgcag atggcaacca
180tcttgggcat ggtgccgct tggcatagcg cccggtccg gatcttctg tgctggggc
240ctcgggaggg gcctggggcg gccgaggggc ggctgcgggc actgctgagc caactgagga
300tccgggctga ggtgcangag gtggtgtggg gcgagggggc cggggctggg gaaccgagg
360cggaggagga aggggacttt gtgaacagtg ggcggngaga cgcataggca gagt

414

<210> 2871<211> 398<212> DNA<213> Homo sapien

ggcacgaggg ggaacgcaca aaaaatgttt tctccaaaga agcattcggg tagcacaagt
60gatagaaacc aggaggagag acagtgcatt aagacttcat cactgtttaa aaacaacctt
120gacattccag aactccacag acctgtggtg aagcaggtgc aagaaaaagt gtttacttca
180gctgcttttc atgagctggg cctccacca catttaattt ccacaataaa tacggtctta
240aaaatgtcta gtatgaccag tgttcagaag caaagtattc ctgtgttgc ggaaggcaga
300gatgctctcg tgagatccca gacgggctca ggtaaaactc ttgcctattg catccctgtg
360gtccagtcct tccaagcaat ggagtcaaaa atacaggt

398

<210> 2872<211> 402<212> DNA<213> Homo sapien
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60agctggtaca cagcctcagg accgcagctg aatgcacatc tagaagggtg gctttcaca
120ggacaggcta caattagacc tgctagagcc attattgccc cccggagaat tatcatcctt
180gggccttctc atcatgtgcc cctctctcga tgtgcacttt acagtgtgga tatatatagg
240acacctctgt atgaccttcg tatcgaccta aagatttacg gagaactgtg gaagacagga
300atgtttgaac gcatgtctct gccacagat gaagatgaac acagtattga aatgcatttg
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402

<210> 2873<211> 391<212> DNA<213> Homo sapien
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120ggccgaggag tatctggaca tcgtgcggga gcacccctgc cccctgtcct acgtccgggg
180ccacctcttc aagctgtggc accacacgct gcagggtgcac caggagctgc gagaggagct
240ggccaagggtg aagaccctgg agggcatcgc tgctgtgagc caggagctga agctgcgggtg
300tcaggaggag atatccaggc aggagggagc gaagcccacc ggcgacttgc ccttccactg
360gatctgccag ccctacatcc ggccggggcc c
391

<210> 2874<211> 382<212> DNA<213> Homo sapien
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60gtacacagcc tcaggaccgc agctgaatgc acagctagaa ggttggtttt cacaagtaca
120gtctacaaaa agacctgcta gagccattat tgcccccccg agaattttca tccttggggc
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240tctgtatgac cttcgtattg accaaaagat ttacggagaa ctgtggaaga caggaaatgtt
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382

<210> 2875<211> 386<212> DNA<213> Homo sapien
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120cctggcagac atcgtggtcc ccagagggag cggcaacacg gtggccatcg acctgattgt
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386

<210> 2876<211> 367<212> DNA<213> Homo sapien
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120attgacataa ttttaactta gtgcttctca agggagattg ggggtggagtc aggatgtttg
180gaattacctt ttggattgta acagactatt ggccaggcaa gctaaaagt ttgcagtact
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300cagtacaagt ttaacttaaa ctaaatctta atgacagtga aagttaattc ccagttatta
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367

<210> 2877<211> 357<212> DNA<213> Homo sapien
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60agatatatga gtgaagaaat tatccagaat gtatcacaga gaaggaaatg ggcaaaaaga
120aagagggtaa gatataat tataaacaca cacatacaca tattacataa aatgagaaag
180tgacatgtct ttcattagt ttccaagagc agaagggaaa aataatggga aaggaataga
240caatatttga tgagataata gttgagaatg tttcagagct gataaaaagc accatgacaa
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357

<210> 2878<211> 376<212> DNA<213> Homo sapien
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120tggagacctt attaaaaatgc agcttctgat tcagtgaact ggggtggggc ctgagagtct
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240ggaatgatat ggagccgtcc attattatcc catctgacaa atgagtcaca gagcccttag
300gtaattgagg tgggatcagt ctgattctgt aagctgtgtt ttcagccaca acatttactg
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376

<210> 2879<211> 367<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggctg gtaaagatta tttaggttcc cctgattttt
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120aacttcatgt tctgagcagg atagtgaact cctattgtac ttgacaggat gaagtatctg
180caagatgtgc cttcaggcag ttaaataact tgacctgctg ttagaaatct tttttatttt
240ttattttatt ttattttggg ttattttatt atttttttga gacggagcct cactttgttt
300cccaggctgg aatgcattgg tacgatctcc gttcacacgc tctgcctcct gggttcacgc
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367

<210> 2880<211> 364<212> DNA<213> Homo sapien

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60ttgggtactct tactcctctg gtttggattt acaggatcca aaccaaggat ccaagccttt
120agttgggttaa cagttagttg attagttggc actcattttg tcacatgatt caggatgact
180gggggaaaaac aggatattgg ggtatatctt taactttttc acttctaaga taatctacag
240tttccctacc tctcgctcat accttcccta tccaagatca gaacttcaga cgtcccat
300gggaatatga gggctgggta gaaggagag gaactagtta caggattttc tgaatttcag
360tttg

364

<210> 2881<211> 369<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtaa ggtgctggga tatggctgag aacaaaacaa
60agtcccatc cgcacagagc tgacattcta gaacagaaga tagacaataa acaaggtaca
120caggcaaaat acatggatgt tggatgaaga agaatcccat ggagaaaaaa ataaaacaaa
180gaaggagagt tgctatgaca gtgaggccaa gataattgca ggaaagtagc cctgatacca
240aggagacaat aaaccactac ttcaggactt ctagtatttt aagacaaata aactggtttt
300ggttaagtct ctgttaattt gtttttcttt acttacagct gaatgaattc ctgagaccgt
360gtgtaggaa

369

<210> 2882<211> 334<212> DNA<213> Homo sapien

tacgggtgcg agaagacgac agaagggtaa aggtgctggga tatggctgag aacaaaacaa
60tctaaaaata aaatggaaat tataaaaaaa aaagaaatta aattgtgaag aagacaaagt
120atcaaaagac cttttctggt agagtctaac aatgttcaaa tttagcttct tggaaataac
180tttttaaatag ctaagagcgt caacagaaaa ctgtggacta caggaaaaga actgcttcac
240atttcccgaa tcttctcaaa cttggtatct gcatatcaat gactttagat tttattttta
300tgttgcgtgt acttttgcta aggaagtatt atgg

334

<210> 2883<211> 341<212> DNA<213> Homo sapien

tacgggtgcg agaagacgac agaagggaga cgaaatagta ctcatgagaa aacctacaag
60gaaatagaca atagaatgag gcagaggttg cagtgaactg agatcacaca ttgactcca
120gcctgggtaa gaagatctca aaaaaagaaa gtgtcatcat ctactagatt ggaaatatca
180gatattcttg agtctttctt ctccctcata tacaggtagt catccagttc ttcaaatct
240cgttgaaatg tggcttcccc tccagccagt ctactgccta tcagtactta cctgtctgtg
300cattagcccc caccgacctc tatcccacca gcactgcct g

341

<210> 2884<211> 352<212> DNA<213> Homo sapien

tactactgct ggcggaagac aacagaaggg acacagaata agttctatag atctaattga
60cagcatggag actacagtta ataatactgt attgtatatt taaaatttgc aaagagtaga
120tcttaagtgc tctcaccacc aaagaaagggt aactgtgaaa agagatgtaa actctatctg
180gactagagta acctcagttc actaagggtc ttatgaatat gtatatcaga acatcatgct
240atacacctca gatacacaca atttcaatta aaaaatttta aaaagaagaa atcagtcgtg
300gtcacattcc agtgatcttt gtttcataca ttgctttggc tgaaggaagg gg

352

<210> 2885<211> 344<212> DNA<213> Homo sapien

tctacggctg cgagaagacg acagaagggg ggaggatttt tgatttttct actttttgtt
60gaaaaaagga atttgtactc tgtgcattgg atggacttgt ttggtacttg ggattttcct
120ctcttaaccg tcaacatcag tgttggaat ttgctaaact gattcacttt tagcagcaga
180ctttgaactg cagtcctgcc aacgttggac actgaggacg cccgacagag cttgtgcacc
240taagctgcag accaagcctt tgcccagaat ttaaggattc caatggacga cctatttgca
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344

<210> 2886<211> 335<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtt aaaaaagaac catggagacg gatgcattaa
60ctaagcccag ggttcctttt tcaatcctca tctcacttga cctggttggt ccatttaacc
120agatctcttc cttgaaacgt ttttattttt tttttacttt gcttccaggg ttttgttaca
180tggttctggt acatgttataa cttctttctg ttggagtgcc ccatggttca gtccttccac
240ttctcttttc tgtccacact ctgggtccaa tttcattcag attcattcat gatgtaatat
300accacctata agctgatttc gacacttaag atcag

335

<210> 2887<211> 334<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtt ccattcctgg cttgatgggt tccttgagac
60aacagctggc attcacagta caggtattta gtactggagg gagcacagca gaacttatct
120ttaaataaatt gcattttttt ttttgttttg acctgtatgt tggctcccaa aaggaagggg
180tcaaggggtt tgcttttatt tctcctaatt caaacatac cagggttttc aacattctat
240caaaacttt taaaggcaaa tgttaaaatc actccatctc actcaaagga tagcatttag
300gagaaacaat agaccaatca ataagcttgg gagg

334

<210> 2888<211> 338<212> DNA<213> Homo sapien

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60atctgcagtt tgcaagtgcg gcgaatcttg taggtagatt taccttgagt ttttttgaaa
120cggtagaatt aatatattaa aacatatggt ttttagttaa aataggatgt taaaggaata
180gagcgcacga acaaaaaaac ttccacttg aaccatgtt gtttcatctg acagtgggta
240tggtgtccct ggcaggatag ggcttccacc tcctgctggt gccggttagga caggggaagag
300gtggggaaca ctgtgtctcc atctcccaag catcttaa

338

<210> 2889<211> 347<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggga aaaccaacgt gtccggtgac agacccacg
60gccgactgag cctctaaagc gacttcagct ctgccccacc aacaccaccg cgcgcccg
120aacagccgct ccgggaagaa acctgagggg actgcggggg gcacgagggg cagctgaggg
180aaggaggagc gcgagagaaa cagcgcgagc acgtgaggg ccgggggttg ccaggagagg
240ggcccccgga cccgcatagc ggaggaaggt ccgggagaaa aggggcggga cggaggagaa
300tccgggatcg cctggcagaa aaagagaagg gattttctga atcctgg

347

<210> 2890<211> 378<212> DNA<213> Homo sapien

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60ggtcccatca cctggctgct catgtctgag gtccctgccc tgcgtgccc tggcgtggcc
120tcagggtctt gcgtgctggc cagctggctc accgccttcg tcttcaccaa gtccttctc
180ccagtgggtga gcaccttcg cctccaggtg cttttcttct tcttcgccc catctgcttg
240gtgagccttg tgttcacagg ctgctgtgtg cccgagacca agggacggtc cctggagcag
300atcgagtcct tcttcgcac ggggagaagg tctttcttgc gctaggtcaa ggtccccgcc
360tgaggggggc caaacccc

378

<210> 2891<211> 432<212> DNA<213> Homo sapien

cgttgctgct ggtctttcag taggagattg gtttaataaa ttatggtaca tttccttcaa
60tgactgtgca gtcctcagaa gagattaggc tgatctttac caattgacgt gaaaagatga
120tgatattaag tgaaaaaaaa acaggttgct ggctgggcat ggtggcttat gcctataatc
180ctaacacttt gggaggccaa ggtaggagga tcgcttgagc ctaggagttt gaggctatcc
240tgggtaacaa agtgagaccc atctctacaa aaaaaatcaa gaaattatct ggatgtggtg

300gcacatggtc ccagctacac tggaggctga ggcgggagaa tcacttgagc ccaggagggtg
360gagtcctccag tgattcatgt ttgtgttatt gcactccagc ctgagcaaca cagttagacc
420ctgtcttaaa aa

432

<210> 2892<211> 434<212> DNA<213> Homo sapien

annncaattc ggcacgagga gagaactagt ctcgagagca gnnnnntttt tttttttttt
60tttttttttac aaaatgcccc ctggggccca agggggcaaaa atttaccttt gcttaggggt
120tttttttttt taaaaaacca accggtttta ataccctcc tttaccctt ggaaccattg
180gggggaaaaa aacccttttg gaaaaacca tttttcaaag gaagggttcc ccgggggggt
240tttaataaaa atattgttg gaaaaaac aaaaagccct ttgatttaa aaagggataa
300agggaggggc cctgaaaaac ccccccttt tttattttt tttggggggg ataaaacctt
360aaaagaaaaa gggtttttcg cccttaaaaa agaaaaattt gcccccaaa aataaccccc
420cttaaaaaaa ttt

434

<210> 2893<211> 425<212> DNA<213> Homo sapien

ggcacgagga gagaactagt ctcgagagca gttttgttca tctcttctt ttgtccttta
60tctctctgcc actgttctca cctcatccta aaacctgggc aggagggtt gaaacctatc
120agaactaaag gtaatatct catctccctc aggtttttt catttaaaaa aaaaatgggt
180atattagtta aattaaaata ctgttgtaa aattattgtc aaagggaag ggaatacat
240ctagggggaaa catcatgtct tttaggccct ttatgtcact gaatgactta aggtcgcaca
300aatgatattc ttggaaagtt taatcttgag gttttcaaat cttttttttt aatggctccc
360atgtttctca tttgtgatt gattcattag ttgtctttaa gaagatttcg cagttggaaa
420taatg

425

<210> 2894<211> 403<212> DNA<213> Homo sapien

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60cttcagctcc aacgccagcc ccagcagcct cttccccagc tgccccagtc atcacagcac
120caactatccc agcctcagcc ccaactgcct cagtccact tgccccagtc tcagcttcag
180ccccagcccc agccccctacc ccagtctcag ccccaaatcc tgccccacct gccccagccc
240agactcaggc acagaccac aaaccagtc agaatccact acagactaca tctcagctct
300caaaacaacc accaccatca attaggctgc cttcagctca aacacctaat ggcacagatt
360atgtagcctc aggaaaatcc atccagaccc cacagtcaca tgg

403

<210> 2895<211> 387<212> DNA<213> Homo sapien

ggcacgagag aggaagcagc ggcagggcga ggacctggcc catgtccagc acccgacagc
60cgctgggcct cagccccagg aggaagacag ccaggaggaa gaagaggagg atgaggaggc
120tgctcaagg tactatgttc ccagctacga ggaagtgatg aacacaaact actcagaagc
180aaggggagag gagcagaacc cgagggttag catctctctc ccgtcctatg agtcaactgac
240ggggctcgac gagaccaccc ccacatccac cagggtgac gtggaggcca gccctgggaa
300ccccctgac aggcagaact ctaagttggc caaacgactg aaaccactga aagttcgaag
360gattaaatct gaaaagcttc acctcan

387

<210> 2896<211> 405<212> DNA<213> Homo sapien

cgttgctgtc gtcgttaa atgtcataaaat tttttaacat tttgcatcag gactcaataa
60aagccccagca tcataattga ctgaaatgtc tttttaactt cttttcatct ataagttctc
120cttctatacc ttttattatc attataatta ttattactag gtcattcatc ctgtagattt
180tccacagtca ggattttcct gattgtatca ccacggttgt aggattctag aggttgaac
240atattaacat tcaatagttg agggagatgc aaaaccactc tctaggtggg gacgttattc
300catcaggaag cacataatgt ccaattggct atttagtggg attagcagct acctatacat
360aatagatcca gtaaatcatg agagactggc tngtatggg agctn

405

<210> 2897<211> 419<212> DNA<213> Homo sapien

ggcacgaggc aataatcaac agttctaagc ctaataaaga gagctcttaa tcagctcagt
60ggtggttaa accagctatc ttttaaagaa gagaaaaaac aaaacacagc aatgccctgt
120ctcttcagaa aattgtttta aaaagttagc caggcatagt tagtggcca cgcctgagt
180ccgagctgtt tgggagggtg aggtgggaag attggttgag cccaagattt tgaggctgca

240gtaagccata attgtaccac tgcactccag cctgagcgac agagaacaag accctgtctc
300ataaaataag tgggggaagg ggtgcaaat tacactgtga gaagccaaga agtttcaaag
360ttctatttat ttttctaagt cattcttaat cattatttgg tgtttcagtg tttgaattt
419

<210> 2898<211> 387<212> DNA<213> Homo sapien

tctacggctg cgagaagacg acagaagggg aaaaatctct ggtcatctcc gagaattaac
60ttgcaactgt tttctatagt gctgtcgtct tgggcaatgg gcaattacat gactttgtgt
120ttgcttcttt tgcagtcttt ttttttccc cccatttttt cctaatagga aaaaaaaaaa
180aaaagggccc ccctgggtgg gcctatttct ggtggcgga aactttgaag tcccaaaaat
240ttggaggggg ggttttttta cccttggggg cggggggggc cggtttctaa tttttaattt
300ttttaaaaat ccgggctaac ctccggggga aaaaaactgg aaaccgcttt tattaacct
360ttctttataa aaaatttttt ttttatg

387

<210> 2899<211> 411<212> DNA<213> Homo sapien

cgttgtctgc ggccacgaac acagccttgg gcccttgggtg atgcgcgccc ctcttgagtc
60ggtcagatgc caaacgcaaa aaaaagcctt ctctctaaa gacacggaaa tgcaccgagt
120ccggctctga ctcaccccca aatccttacg gtcccccaac tcggcagcca aaatcgaaaa
180ctactctcgt ctacgcgccc ccgctgttga ttacctgcca tccgcacgg gcgcctgcgc
240cccgccgggt gtcgcccact tcggacggca tcccgagact acccttctca aggccgtatg
300accagtccga gctgccatga tagactctcc gaagccgggtc gtgacctccc ggaccagccc
360tgcagcaccg acctcctctg gtcggggccc gagcccggt ccggtctctt n

411

<210> 2900<211> 407<212> DNA<213> Homo sapien

ggcacgagaa ggccgtgggg ctggagcatg tgggtgcctg ctggggagcc tgggtcaggg
60acagggtcat ggagtgtagg ggactggacc acccagggca tgcgagtggc tgagccaggt
120tgccgggcaga ggggtggccag gggcccatgg gagcatattg aggtgagctc cctggggagg
180gttactgtgg gcgtggacga ggctgcctgg gcgtgtggct cagggccggg cctggtgagg
240tggtgtgtgc aggggtggctg atgacagaca ggtcttgggg aggaggaccc gggactcggg
300atgagcctgc gtctggctgg gtggtgcctg ctcttgttt tgtggtggga gactgaaggg
360gagctgaggg tttggcggca acgggccttg tccagtgggg cattttt

407

<210> 2901<211> 401<212> DNA<213> Homo sapien

ggcacgagca cagtgccctt ggaggtgttc agcttatecc aggctgctga cctggctaac
60aagggcccga agtgggagaa gagccatgcc gaaattgcag aacaggccaa gcatgaggcc
120gagatcgaga ctcgattgct tgagctgcgg aaggagggtt tctgggtcact gaagaggctg
180cctaaggtgc cagagccccc tcgccccaaa ggtcactggg actattttgt cgaagagatg
240cagtggctct ctgctgactt tgctcaggag cgccgttggg aacggggtgt ggcccgaag
300gtggtgcgca tggtgatccg gcaccacgag gagcagcggc agaaagagga acgggcccgg
360agggaggagc aggccaagct gcgtcgaatt gcttcacca t

401

<210> 2902<211> 375<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggcaga catacgggca cgcaccacca tgcccagcta
60atttttaaat ttttagtaga tctgcggtct cactatgttg cccaggctgg tcacaaactc
120ctggcctcaa gtgattctcc ttcttggcc tcccaaggca ctgggattcc aggcagagc
180caccatgcgc agtctcattt ctgttttctc tagaacatgt tttcatcaca ctgacttttt
240tgagaagtcc aggccaatat taaatttcat tttgtctttt tatcagtggg aaagtagcat
300atttatgttg cagcacaag atgaatcana taggaagaan atgtaaaaca catttggggc
360cgggcacagt ggctn

375

<210> 2903<211> 350<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggat ctgtcttttg aaacacataa acatgtacat
60acataaacat acaaattgct ttcaacggtt tatggaatat cttatagcaa attaaagatg
120agtatgtttg tcattcaatt atgaaagatg ttgatataaa taaatttatt catatatttc
180aaaaagtatg tagggcttcc agtcaaggta aagaacaga gaccacattt actgtcttcc
240ctataataga aaaaaccag aaaatttatg aaatgactgt ttttttagac attggacaac
300aaagaacagt gacctctgag acacaggata caagatgagc cctaaaagtg

350

<210> 2904<211> 369<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggcaga catacgggca cgcaccacca tgcccagcta
60atttttaaat ttttagtaga tctgcggtct cactatgttg cccaggctgg tcacaaactc
120ctggcctcaa gtgattctcc ttccttggcc tccaaggca ctgggattcc aggcattgagc
180caccatgcgc agtctcattt ctgttttata tagaacatgt tttcatcaca ctgacttttt
240tgagaagtcc aggccaatat taaatttcat tttgtctttt tatcagtggg aaagtagcat
300atttatgttg caccgacaaag atgaatcaaa taggaagaaa atgtaaaaca catttggggc
360cgggcacag

369

<210> 2905<211> 372<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtag cacactgaat tatggggtgt gtgtttgtgt
60gtgtgtgtgt gtgtgagaat tctaagctac cttgtgattc tcataattag ctagggtttg
120aaactcttgt gtgatatggt tttatttttg tttttttgc tttatgtaa acgtcaatgg
180tttgctgact ctttaattctt acaattattt tacatttgaa ccttgctctt agcccatat
240atttaagtac tttgaatata catgaataaa tttagttgac cattaacagg agtgggtgcc
300aacatttctt aacctactgt gttattttta tctattttga gagatggggt cctgctctgg
360tgcccacgct gg

372

<210> 2906<211> 363<212> DNA<213> Homo sapien

actacggctg cgagaagacg acagaaggga ttctcaattg caaatgggtg aatatccaac
60tccagatggc ttccttaagc aacaaaagga gtttcttagt ttgagcagag gttgatccag
120tgagtcaata atgtcaccaa gaaatgtgtg tgtgtgcgtg tgtgtgtgtg tgtgtgtgta
180tgtgtgttct catgtgtctt ttgtgccatc tatatcagtt tcaccctatt gttggagagt
240gactcatgct cacatgatgg gtggcaacaa ttacagagnt aatgtttttc tcataacat
300ttaaaatttg acaaagagac aaagagatat ctttgtctta tctcagcctt ttaattcgca
360ccg

363

<210> 2907<211> 375<212> DNA<213> Homo sapien

cgttgctgtc gcataaattt ttgttttttt cactgatgga tctcaatgct tagaacagtg
60tctggtgcat agtagaagct caataaatgt ttgttgatg aatgaacaaa tgaaagagg
120ggctgggggt atgctgtttt atataagggtg gatcaaggaa gggctctctg ataagagaat
180gtttaagcag agatggaatg aagtgagggc cagaatcttg ctcatatctg gggaaagcat
240ctctgggcac aggaagagcc agtggttaagg ccctgagcca ggaacatgct tggctcttgg
300aggaacacca catctgcttg tgactgaagt ccagtgagag taggaaagag gagatgggga
360gtgaaaacag catag

375

<210> 2908<211> 374<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggcca cgtggaactg taagtctatt aaacctctct
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120caccaccacaa agaccaatca gaggcattcat ttctcccaa acttaaagtc ttaactgctt
180ccccgagttg ctgattatat aattattgaa aaataaaata taaagatgca gcaatacatt
240tgcaatattt atatttctat tatcataatt ccagagtggt ttttttagac ctatctctaa
300gtatatatag attcaatacc aattcaatga gttctctaac ccagagatct ttgatttatc
360ttctatgggt aggc

374

<210> 2909<211> 352<212> DNA<213> Homo sapien

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120aaaaatcgggt aactctttgc tctaaggcac cgtataaact tgagttcaga ctctctgatt
180actcctgatt tctactggga cagagaaaac ctggaaggac ttacgataa aacgtgtcaa
240ttccttagca ttggccgaag agttaaggct atgaatgaaa aacttcagca ctgcatggaa
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352

<210> 2910<211> 340<212> DNA<213> Homo sapien

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60cttaaaaaag aagaagtttt taaatttgaa ataataatag gtactggatt tatgcaaagt
120ctttttctgc gtcttttgag atgagtatca ggtttttttt ttttcccttt atcatcggag
180gaggaactta aggttcccat ttgtattaag ggaaaactaa gccctctgt gatttctgaa
240ccaagctatt cctaggcctg agttttattt tgttgacca aaaataaatt aaaaggccaa
300ccgtgggggc atgtccctgt agccctagtt gctgaggaaa

340

<210> 2911<211> 339<212> DNA<213> Homo sapien

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120gttgattgag tgctctctat gtcctgggcc ctgttctaag aactttgatg catccttatt
180tagtgcttaa aataaaccta agagggctaa gtactattat gatttccatt ttacacgaaa
240ggaaactgat ctgccaggtc acatacctag taagggattg ttctgggctg aagaaaaagg
300atgcatggag gggagtatct tgcccaaggc cacgttatg

339

<210> 2912<211> 334<212> DNA<213> Homo sapien

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60tattcaaagt tgagcattcc cgtttatgaa ttttatccag atactctaag ttgtcaatgt
120gaaccctggc cagtaatctt cagcaggagc agtattattg cttttcatgt aaaacctcaa
180ttattaatag ttttaaatga caatttttct ttagtatatc taaaaatatt ttgttcaaat
240ataatcaagt ggaaaatatt ggacagaaat gagtcatcca caaaaagtat cattgaaact
300aggggaatta gagctttgaa tataaacttt ctan

334

<210> 2913<211> 344<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggaaa caacttaaag acgaaataaa gaaaaaagat
60gaaaagatcc aactattaga acttcagctt gcaactcagc atatctgcca ccaaaaatgt
120aaagaggaaa aatgcactta tgctgataaa tatacccaaa caccctggag acgaattcct
180ggtgggtatt ctgctccctc cttctctcct tggcagggct ccttccaggg gatccacgg
240actgttccac cgcaccgcag acagacctca agtactacag ccttccagca gccttcccag
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344

<210> 2914<211> 337<212> DNA<213> Homo sapien

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60gatcaaggca ttttgatgt actgctaatt gaatatggca ctgttttacg gtttatgtgg
120cttctgttct tgccacagtt gtgacacagt ggtaattgat gttttctctg gtgccacact
180ttttaataat ctattggaag ctcatccctc ctecccatc ataaccatat tcagcaccca
240ttttaaatct acttttcttc cttatttctg ctacagaggt tgatggcgta aattttccta
300cttgaagaa attactttat cagttaattt cagggtt

337

<210> 2915<211> 342<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggggc tttccgagcc cgcttgacc tcggcgatcc
60ccgactccct tctttatggc gtcgctcctg tgctgtgggc cgaagctggc cgcctgcggc
120atcgctctca gcgcctggg agtgatcatg ttgtaatcca cccaccgcca cttcaagaag
180aaatgatatg aagaagtgcc ggttctccct cccctcttcc gcaactgtccc gtgatgatga
240cgctccagga gaggacgata atctgggttc ctgggagaga tggttggtc actattccca
300cccttgctc gaccacttgt ctcaatgtca ccacctcacg cc

342

<210> 2916<211> 390<212> DNA<213> Homo sapien

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60ccagagattt agtcaaata gatactggga gtttcagtga gaatgtttct aaatgagatt
120gacattggaa ttggtagact ggggaaagca gatggccctc cctaataatg ggggtggggg
180gtgggtggcg cttcatccaa ccagggggaag gcctgaatag aacaaaaagg ctgagtaaga
240gagagtctct tctgcctgac agcctttgag ctgagacact gctttttggg ctgagctgaa
300acattggctc cttctgggtt tcagagcctg ccagtcttca gactggagct acaccacagc
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390

<210> 2917<211> 367<212> DNA<213> Homo sapien

tacggctgcy agaagacgac agaaggggta gtcagaaaag ggtcattgtt ttgcatgtg
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120ttcagctctgt aaaactatta catgtcatga agcctctaga aaactcagct cagcggggcg
180cgggtggctca ggcctgtaat cccagcactt tgggaggccg aggcgggtgg atcacgaagt
240caggagatcg agaccatccc agctaacaat ggtgaaacct tgtctctact aaaaatacaa
300aaaattatcc gggcatgttg gtacacgcct atagtcccag ctgctcggga ggctgaggca
360gaagaat

367

<210> 2918<211> 412<212> DNA<213> Homo sapien

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60ccctcagatg ccaaacgcaa aaaaaagcct tctctctaa agacacggaa atgcaccgag
120tccggctctg cctcaccccc aaatccttcc ggtcccccaa ctgcgcagcc aaaatcgaaa
180actactctcg tctcagcgcc cccgctgttg attacctgcc attcgcacg ggcgctgcy
240ccccggccgc tgcgcgcgac ttcggacggc atcccagac tactctctc aaggccgtat
300gaccagtccg agctgccatg atagactctc cgaagccggc cgtcacctcc cggaccagcc
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412

<210> 2919<211> 394<212> DNA<213> Homo sapien

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120cagtttctga atcaacaaat atatctgtga ttcttttata ctactacata aaagaacagg
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240aaaatatgat ttagtcccag catgcttctt cctgttttct ctttttctct ccagctccta
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394

<210> 2920<211> 448<212> DNA<213> Homo sapien

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120gatttgtttt tgtgtacta ggattttaaa aaatgtaata tattgcagga tttataacca
180ggttactga ctgcttgcct gcttctttt tttttttt tttctccaa aaaaaaaca
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448

<210> 2921<211> 347<212> DNA<213> Homo sapien

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240acttgggcct ttttgaatg ctaagaggct tggatacctt ttttagatgt accagggaaa
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347

<210> 2922<211> 402<212> DNA<213> Homo sapien

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300cgatggcaac ctgcgtccag aagccatcac tgctatcac gtgggcttct cctcttggc
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402

<210> 2923<211> 371<212> DNA<213> Homo sapien

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120gttccagtc tggcctcacc actttgagct gtgtgatctc gggcaacacc ctgaagctct
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371

<210> 2924<211> 350<212> DNA<213> Homo sapien

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120cccacaaccg gctgatgtga aggagtccca cttagggatc caggaacagt gggaaatagca
180ctgctggggg ccaagagggg cacttgctcc atgggcccac gcagtctaga caccttggg
240gatgagggag cctcccctgg tgcaggaga gccctgggg ccccccacac cagtgaggga
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350

<210> 2925<211> 347<212> DNA<213> Homo sapien

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120gattgttcag gaatatcttg ccttgaacac agaagcagg agtctcatgg ttgtcctgag
180gtgactgtaa tcaatgagag actgaagaca gatcaacata catcttacc atgtctttc
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347

<210> 2926<211> 345<212> DNA<213> Homo sapien

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120gcctgggtaa gaagatctca aaaaaagaaa gtgtcatcat ctactagatt ggaaatatca
180gatattcttg agtctttctt ctccctcata tacagttagt catccagttc ttcaaaatct
240cgttgaaatg tggcttccc tccagccagt ctactgccta tcagtactta cctgtctgtg
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345

<210> 2927<211> 346<212> DNA<213> Homo sapien

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120tagccaactt ttgggagcgc ttctgtttgc aaagcgtggt ggatgtgcct gtctctgtgt
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240tcaaggctga tctttaaacc cctgccttg ctgacaagt ctttaaaggc agtctgcac
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346

<210> 2928<211> 341<212> DNA<213> Homo sapien

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180gtcacaagca cctcctgcc tcagcccccc aagtagctgg gactaaagtc atgtgccacc
240acaccagct tactctgaac ttttatgaca gatgattgtt ttttgtttt aatgtagaaa
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341

<210> 2929<211> 343<212> DNA<213> Homo sapien

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120gccaaactttt gggagcgctt atgcttgcaa agcgtgggg atgagcctag ctctgtgtga
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343

<210> 2930<211> 342<212> DNA<213> Homo sapien

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342

<210> 2931<211> 400<212> DNA<213> Homo sapien

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180gataaaaaaag gaggggtggg aagccctac acttctcccc gagggtatcc ccgctgcagg
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300tctcatacat ttaaaaatat cggttgaaca cctgctatat tctaggcacc gacgagacag
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400

<210> 2932<211> 417<212> DNA<213> Homo sapien

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60ggctgagga ggaggattgc ttgagcccag gaggttcaagg ccagcctgag caacatagtg
120agactccatc tctaaaaaaa aataaaata aaaataaata aaaaatacaa ctaatggaaa
180gggcaagaaa aaaaaaagaa aaaaattaaa agtgattcgg agcagtattc ctgcaaaaag
240ctcccggcgc atgtatattt acagaaaata tgtacatgca gcaggcccaa aggccaccaa
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417

<210> 2933<211> 404<212> DNA<213> Homo sapien

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60tgtagactgg cttagatgaa atttgatcaa tttatttagt tgccttctg cgtttgctaa
120aagtgacagt gtgggtggca tcacacagt gtcggagtca gaactggctt ttgataccag
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240gagaaaataa caataacctt tttcatagca ttgttgggta gattaaatga aataagtaag
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404

<210> 2934<211> 389<212> DNA<213> Homo sapien

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389

<210> 2935<211> 399<212> DNA<213> Homo sapien

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240aattactgta gacaaattta aaatacaaaa atgttaaaaa gcagcaagaa caatcttaat
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399

<210> 2936<211> 403<212> DNA<213> Homo sapien

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403

<210> 2937<211> 379<212> DNA<213> Homo sapien

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240attatacgat ctctttatta ttataagaga agggcttcac tatgttgctc aggctggatt
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379

<210> 2938<211> 388<212> DNA<213> Homo sapien

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240atactaagaa ccagaaaaat tcgaatccag aaaaattact cctcatacta aaaaccagaa
300aaaatctgaa tgaggaaaga caattaacac taagatgaca aaaatgttgg aattattgca
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388

<210> 2939<211> 374<212> DNA<213> Homo sapien

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374

<210> 2940<211> 378<212> DNA<213> Homo sapien

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378

<210> 2941<211> 387<212> DNA<213> Homo sapien

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240ggcctctcag atcactgagg cacaaccct ctttgatact ttgctttcct tgcaacctca
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387

<210> 2942<211> 465<212> DNA<213> Homo sapien

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465

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120taataagtca aatagagcca tagaagaaat ttaaaagact caaactaatt cctagagatg
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442

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468

<210> 2945<211> 406<212> DNA<213> Homo sapien

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406

<210> 2946<211> 407<212> DNA<213> Homo sapien

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407

<210> 2947<211> 380<212> DNA<213> Homo sapien

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120acagataacc atacaacatg gaatgacaca aacataatat gccacactcc agaatatgta
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240gacttttagac atgtgcattg gtttgacact tctaattagt tgaattttta cttattttga
300catgagagat tacatagaat ctctatgttg cccaggttgg tctccaaatc tgctcaaaca
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380

<210> 2948<211> 374<212> DNA<213> Homo sapien

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374

<210> 2949<211> 407<212> DNA<213> Homo sapien

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407

<210> 2950<211> 387<212> DNA<213> Homo sapien

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120gtgtggcgcg cctctctct tgtgtgcgct ccccccccc cgctctctca ctcttatgtg
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387

<210> 2951<211> 400<212> DNA<213> Homo sapien

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240aaacttttct tccgtcctca atttctacct ccatagaccg gccagaattt agcttcactt
300gagagagatc tgggaatggt gccatgattg aaaccacgca ccattacatc atcattacat
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400

<210> 2952<211> 395<212> DNA<213> Homo sapien

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120gggaggtaaa ttgttgaaac cttgcatgac tgaaaacttt attttaatct caccctcaag
180ggatgatttg gctaggtatg gaattctagt ttggaaataa ttgtctctca gaatttttaa
240cacattctcc attgcctcat agttttggcg taaatgttga gaaatacaat gccactttta
300atttctgatg ctttgcattg gatctatttt tctctcaagt agcttttata atctccttat
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395

<210> 2953<211> 418<212> DNA<213> Homo sapien

accgatgctg ccggaataga gaaaacatta tctgtatgag ctcttctcga tttacatgta
60attggcaaaa ttcaaagagc tgattcttca acaataaat tacttaaaaa cggatggaca
120gggaacctcg taaagccttt atcaactgca atgtatggac ttctatactg aaatgtttac
180agatgaaatt atatgatgac tgggatttaa aagaaatcct acgatagcca ggtgtggtgg
240tgcattgccag ctactcaaga cgctgcggca gaattgcttg aaccaagag gtggaggctg
300cagtgcacca agaccacacc actgcactac agcctgggca acgagagact ctgtctcaca
360aaatataaat gaaaaactaa aagttattct atgagtggcg gaaagaacag attacaca

418

<210> 2954<211> 394<212> DNA<213> Homo sapien

cggtgctgtc gagctcagga ggctgaggtt gcagtgaccc gtgatcgac cactgcactc
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120tctttctatg attgacctta aaaaagaatg tttctgaata tgcttttaac ctgacaaacc
180accaccttaa tattctttta aatcagttt gagcctacag ccatgccact gtgaatgtgt
240ctgatctcat gtgatcatgg aagctaaagt gagtttgata tgataaatat atgcaacgta
300acttttaata taacttttaa aatatgttt ttaaggccag atatgggtggc tcacgcctgt
360aatcccagca ctttgngagg ccaaggtggg agga

394

<210> 2955<211> 407<212> DNA<213> Homo sapien

ggcacgagca gctactcggg aggctgagac aagagaatca cttgaaccca gaaggcagag
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120tctcaaaaaa ataaaatatt gtggtattgg cacaggagtg gacaactagg tcaatctagg
180aacagacctt ttggaacttg atatacatga aatgactcaa ccaatcagtg aagacagggg
240ggatgttcac tgaatattgg agaaaactga actcccccat acaaaagaaa acagatttcc
300actttacaca cactcaaaat taaatttcag attaaatact aggatatttt taatgattta
360ttaaatTTTT ttttggtaga gacaggtct caatatgttg ctcagcg

407

<210> 2956<211> 412<212> DNA<213> Homo sapien

cgttgctgtc gggcaggccc ctgtaatccc agctaattgg gaggtgaag caggagaatt
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120aagcaacaag agcaaaaact tcgtctcaaa aacaaaacaa aaaaagagta ttcattgtga
180ggacaacaa tacaaatcag aagaggggtg tagtaccttt acttgtatca cagatacttt
240tgtaccatt ttgcactaga ggaaaaccat gaagcagttg ctcaaatgtt gttcaacacc
300agaaaattta tattggagaa aagcactgta aatgtaatgc atttgtgaaa acatttttta
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412

<210> 2957<211> 407<212> DNA<213> Homo sapien

ccgtgacctg cctgggcgcg gggaaactgaa agccggaagg ggcaagacgg gttcagttcg
60tcatggggct gtttgaaag acccaggaga agccgcccac agaactggtc aatgagtggt
120cattgaagat aagaaaggaa atgagagttg ttgacaggca aataagggga tccattggag
180tctttggctg aatactaagc tgtgcatgct tagagtgaat tttcaagaga ctgggcaag
240aacaattact aggaacagaa caactaccag gaagctgtaa gctgaataat tcttagagct
300aataaaggat tgagaagtgg ttgagctctg atcagacaca gaaaagagac tttgttgaa
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407

<210> 2958<211> 328<212> DNA<213> Homo sapien

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60ctggaaactg ttgggggtgg attagagatt tttaaggatc ttatggcaag ctttggctgg
120tagagtacaa gaacttagtg gtgtctttta ttgggggttt ggggggtgctg ggaactatga
180cattacaaag agccactaat tgtaactga aggaaaaaat actggtcaat gaagggaaac
240ttaactataa aatcaactta gtagaaataa accattaagt ggtactaata tgggcaggca
300cagtgggtca cagctgtaat tccagcac

328

<210> 2959<211> 344<212> DNA<213> Homo sapien

tacgggtgcg agaagacgac agaagggtct gtgtggcaca cagagatgcg acctactcaa
60tctgacttag taaaaccatg ctgtagaatt tttgtcttaa aaagaccaca taccagcac
120ccatgaaata aaagattcat ctgtaattgg gattcaaagt gattaaattc ctttgttcat
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240tttaacttaa taaaaatctt ggattgatat tctttttttt tttttttttt ttttttggga
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344

<210> 2960<211> 340<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtct cttaacaaca ggactagcag agacttagct
60gaacagtgtg taaagggtatt agaactgata tgtactcgtg agtcaggagc agtctttgag
120gctgggtggt tgaattgtgt gcttaccttc attcgtgaca gtggacatct agttcataaa
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240gattcttctt tagaaatttg ttagaatct ctgtctagtt tattaaagca tgaagatcat
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340

<210> 2961<211> 388<212> DNA<213> Homo sapien

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60tgggggttaca ggcttgagcc actgtacca gccatcaat aatttttgcc tgaacaatt
120tttattgcga tctttgtgtt gagagtctc catggatctg ttgtgtgctt acatgtcttg

180ctgggtgtgc caagaatgca aggcccaaga atgctcttta tttgggcctt ttctcaggg
240tgtttacaca gctggtaatc ttcagagaca agttaatgtt tcctcttgga caaagagcag
300gcttgccac tgcttggtat aaaaacaata gatttcagcc gggcgtggtg gctcatgtct
360ataatcccag cactttgatt tttttttt

388

<210> 2962<211> 403<212> DNA<213> Homo sapien

ggcacgagag aggagctcag agaggaacgg agaggcagac agagggaaac aacgcagaaa
60gaaacagagc caaagccaga gtgtgggggg agccggagga agaaacaaaa acacacacat
120gtggagtcgg aacgacacag gcagagaggc acagagtcgc agcaatccag acagaaagag
180acacgcagaa agaaacagac agtgacagag aagatggtag cctctctgcc ctcccaaac
240accttgcccc actggtcctg gctggcgga ggggactcac aggccttga cctatgccc
300gtagggaag agacaggact tttcctcaga ggccttcaat gagaccccat tcccaaaaag
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403

<210> 2963<211> 393<212> DNA<213> Homo sapien

tccagatgca gctgcagccg cgcaggcagg agccaggagc aagtgggagc cctgcctctt
60ccaagtggc ggggtgggag ctcccagtg cagctgtggc tgcccccca ggcacaggac
120gagggcatct ctgcagcctg caccatcggc catcccagga aggacagccc ccttcacct
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240ctgctctgat cttggagggg agtcggagcc aagacctgca gccatgaatg gcagcaggag
300gaaagggggg gggnnccan naaggccca cctcangcc agggagggcc tgaattctgg
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393

<210> 2964<211> 423<212> DNA<213> Homo sapien

ggcacgaggt tcaataaagg tgtaattgaa aagtgtcct ctcttcagag atgtcaaaaa
60caaacaaatc caagtctgga tctcgtctt ctcgtcaag atctgcatca agatctcgtt
120ctcgttatt ttcgaagtct cgggtccgaa gccgatctct ctctcgttca aggaagcgca
180ggctgagttc taggtctcgt tccagatcat attctccagc tcataacaga gaaagaaacc
240acccaagagt atatcagaat cgggatttcc gaggtcaca cagaggctat agaaggcct
300attatttccg tgggcgtaac agaggcttt atccatgggg ccaatataac cgaggaggct
360atggaaacta tcgctcanat tggcagaatt accggcaagc atacagtcct cgtcagggcc
420gtc

423

<210> 2965<211> 385<212> DNA<213> Homo sapien

cgttgctgtc gggttattgt aacagtaatt aaatgctgcc ttaattgaag gggtttgggt
60ggattttttt ttctcaaat aagctgtagg gactatttta acagcttaa caggagctct
120caagatgcac tttcgtattg agaggaatat gggcttgatc ctcttctat ctaaatgggt
180gggccatttg attgtagagg gtccaccaca gaattatggg atgccttaag tgctgttact
240aggttgctca cagcctaacc tggcgtgttg ttagggctg atggagacc atgtgagcct
300ttgctttcct ctggcccag cccaccctg aacacagctc atacgcagaa tcaggaccag
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385

<210> 2966<211> 376<212> DNA<213> Homo sapien

cgttgctgtc gtggggacag atttgatg cttgattcac cttgaagta atgtagacag
60aagtctcaa atttgcata taccataact ggaaccagca gtgaatctta atgttactt
120aatcagaac ttgcataaga aagagaatgg gagtctggtt aaataaagat gactatatca
180gagacttgaa aaggatcatt ctctgttttc tgatagtgt tatggccatt ttagtgggca
240cagatcagga tttttacagt ttacttggag tgtccaaaac tccaagcagt agagaaataa
300gacaagcttt caagaaattg gcattgaagt tacatcctga taaaaaccg aataacccaa
360atgcacatgg cgattg

376

<210> 2967<211> 384<212> DNA<213> Homo sapien

gaaggaatga agattgacct catcgatggc aaaggcaggg gtgtgattgc caccaagcag
60ttctcccggt gtgactttgt ggtggaatac cacggggacc tcatcgagat caccgacgcc
120aagaaacggg aggtctgtg cgcacaggac ccttcacgg gctgctacat gtactatttt
180cagtatctga gcaaaccta ctgcgtggat gcaactagag agacaaatcg cctaggaaga

240ctgatcaatc acagcaaatg tgggaactgc caaaccaaac tgcacgacat cgacggcgta
300cctcacctca tcctcatcgc ctcccagagac atcgcggctg gggaggagct cctgtatgac
360tatggggacc gcagcaaggc ttcc

384

<210> 2968<211> 225<212> DNA<213> Homo sapien

tcacactgcc ttccacccgc tagcgagccc aattgcatgc aatatatgcc tgatgatcca
60ggggaggaga gagagtgatg cagagctggt gcagaagggc agcgagctgg tggctctgcg
120gggtggcgtg cgggaggccc gtgctacgtc gcgggtcagt gaggggccgtg cgcgggggtct
180acaggaggcc gccccgactc gggagctgga gctggaagcc tgttc

225

<210> 2969<211> 413<212> DNA<213> Homo sapien

ggtgctggcg attctgtgtt attaattata ttcatactat tgtgcaacca ccggcaccat
60ccgtctacag aactcttgat ctcccaaac tgaaattatg tattcattaa acaataacca
120cccattacct cctctctcct cagccttgg taaccagcat tcagtctcta tgaattgact
180actctggata tctaaaagga atcattctta tttcatttac cataaagact tcaaagttca
240ttcatgttgg aacatgtatt agaatttctt tactcttaaa ggccagatat gccgtaggat
300gtaaataccg tagtttgtgt atcaggtcat ccattactgg acactgggtt gcttctgctt
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413

<210> 2970<211> 405<212> DNA<213> Homo sapien

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60taaaaaattta cccggggggg gggaggggcc cctgtatttc cacttcctca ggaggggggg
120gcagaagaat cttttgacct caaaattcaa aatggcaag gacttataat attgttattg
180ccctccacct taggcaacaa aggaaaacct tgtttttaa aaaaaaaaaa taagccaggc
240ttataatagg ttatcccaa gggagtaagg aggttttata gggccaaacc cttcttataa
300aaaagaaatt agccaactta tggttgttta agggtaatag gaaaggctta tatggagaac
360ctttattctt aaaaaaaagg gaaattttt ttcggtacct catgt

405

<210> 2971<211> 381<212> DNA<213> Homo sapien

gcctacggct gcgagaagac gacagaaggg ccattccasta atagattggg cagcaaacaa
60tccaagctgt gagccaaagt cagccacta tgaggccaac tctgtttgca cccattcttt
120atagcttttg cactacagtg gcaaagttaa gtagttgcaa cagagactgt ataacctgta
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240tttgaaaate ttcaggttct ttctgggaag tttggtaaga ctatctctaa gcagtattag
300ataattggaa tcttaccatt tagcacactt tcatacaaaa agtgacaggt aatggttggg
360atcagaacag aacaacataa n

381

<210> 2972<211> 437<212> DNA<213> Homo sapien

aggatccctc gattcaattc ggcacgagga cagagccgac tccatctttt agaaaaaata
60aaaaatattaa gaggttctgc tgccaaatgt gggttctgtg ggtcgggtgt gggttctgtg
120ggtcgggtgt gggttctgca aaccagggtc ggattctgtg taggttctgc aggccaggg
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240cccaggagtt caaaacagc ctgggcaata tagggagacc gtatcactac aaaaaagttt
300tttttagttca ccgagcatgg gggcacatgc ctgtagtccc acctactcga gaagctgaaa
360tagggtcacc tgaccctggt aggctgaggc tgcagtgagc caaaatcgca ctactgcact
420ccagcctggg tgacaan

437

<210> 2973<211> 399<212> DNA<213> Homo sapien

ggcacgagat tacatttccc agtacttctt gtccctctt cctgctttct cttttttttt
60tttttttgaa ttaaaaacgg agtttgctt tgccccggg tggggggcca ggggaaaaat
120tttgcttaat tgaaccccca ccttgggggg ttaaagaatt ttgctgcct aaccctccgg
180agaaatggga ataaaggggc cttgcccccc ccccaacctt tttttggttt ttaagaaaa
240aaggggggttc aacctgggtg gccgggctgt tccaaacttt tggccctggg gggatcccc
300cccctgagcc cccaaaaagg tgggaataac gggggggacc aaccatgcc aaaaattgggt
360ttaatttttt taaacctttt aaccaacctt accaaaaat

399

<210> 2974<211> 346<212> DNA<213> Homo sapien

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60gaggagaga gagaatactt gaggaataa tggtgaaga cttcctaaat ttgatgaaag
120acctgaatat atgcatccaa gtagctcaac aaattccaag taagatgaac tcaaagagac
180cacacagata ccaacatttc acaagccaaa gccagagaat ttgaaagca tcaagggaga
240agcaacttgc tacatacaaa ggatcctcag taacaggtcc ccaagccctg ggccacagac
300tgtaacagt ctgttatgtt ccagaccaca cagcaagagg tgagtg
346

<210> 2975<211> 341<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggca cttatgacaa cattaacaca gaatgccagt
60tcatcagcag ccgactcacg gagtggtcga aagagcaaaa acaacaaca gtcttcaagc
120cagcagtcac catcttcttc ctcctcttct tccttatcat cgtgttcttc atcatcaact
180gttggtacaag aaatctctca acaacaact gtagtgccag aatctgattc aaatagtcag
240gttgattgga cttacgatcc aaatgaacct cgatactgca ttgtaatca ggtatcttat
300ggtgagatgg tgggatgtga taaccaagat tgccctatag a
341

<210> 2976<211> 427<212> DNA<213> Homo sapien

ggcacgagcc ggccccact gagccactc cggcctctga agccaccgga gccctacgc
60ccccaccagc acccccatcg ccctctgcac ctctcctgt ggtccccaag gaggagaagg
120aggaggagac cgcagcagcg cccccagtgg aggaggggga ggagcacaag cccccgcgg
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240aggaagccga ggaggggccg gccaaaggga aggacgcgta ggccgctgag gccacggccg
300agggggcgct caaggcagag aaaaaggagg gcgggagcgg caggggccacc actgccaaga
360gctcgggcgc ccccaggac agcgactcca gtgctacctg cagtgcagac gaggtggatg
420aggccga
427

<210> 2977<211> 427<212> DNA<213> Homo sapien

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60gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga
120gagagagaga gagagagaga gcccccttc tctctctttt ttttggggcg ctctcttttt
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420acacgt
427

<210> 2978<211> 339<212> DNA<213> Homo sapien

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60aataacaagc tgtatatctt tcaaaggttt tttaaacttt ggacactctt tcttttgta
120accacttaaa ggaataaaaag agctggaaaa aaaattggac cttcaactca ggtgttcca
180tatacaaac gtattctttg ctgttacgta agattttcga ttcacagagt ccattcatgt
240acatcactta cacttaaat gccaaaataa ttagtctgac catctgactt taaaagactg
300ttgctacaca tacatcatgt ttaggagaat gtgggatat
339

<210> 2979<211> 394<212> DNA<213> Homo sapien

cgttgctgtc ggtagcattt gatcagcttt gccacagatg aaaagcagaa ctggacatgg
60aagagaagtg aagtaaggac aagctggaat ctataggcat ctctgcatct atctttcact
120gcatctagcc atgacaaact tcatagtata atgactacag ctttatctcc aactttttt
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240cctcctccta gagggtcaag gaagatacct gcctcaagtt ctgggagaag aggaatata
300gggcatgggc cactatacac gggaagtttt tttttttaa acaaaaaag gctttgacca
360cttagaaaa gctgagtttc gacacatccg ctctg
394

<210> 2980<211> 399<212> DNA<213> Homo sapien

ggcacgagca tgttcaggcc ccgaacattt ccggtgctga ctggcctta aacgtttgtg
60ccataatgga aaatatctat ctatctgttc tcaaatcctg tttttctcat agtgtaaaact

120cacatttgat gtgtttttat gaaggaaagt aaccaagaaa cctctaggaa ttagtgaaaa
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240taaatagaat agtggtgaag atatgaaata tggctatttt taatggtgac aattatgact
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360tggctaataa tcattcctta acctagaatt cagatgatg
399

<210> 2981<211> 399<212> DNA<213> Homo sapien

tatagtggaa acagtatttc tagatgtagg attttagcaga caaagacttc aaagcagcta
60ttgtaaatca gtttaaagca gcaaagtaag ctaagaatga aaataaagtg tgacaaatag
120agatgttcaa aaaggagata gaaatgattt taaaaataac aaaatgaaaa ttctgagatt
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240acagaagaaa gaagcagtga atttcaaagg tagatgatct aatctgaaga tcagagagga
300aaagattaaag agaaatcagt agagccacag agatctgtgg gtcagcatca agtttaccta
360tgtatgtgtg atgggaatct cagaatgaat agagaaagc
399

<210> 2982<211> 397<212> DNA<213> Homo sapien

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60aaaaatgttaa aaaaaaaaaa aaaaaaaaaa aaccctcgcc ccttaaaaaat .tttggggggg
120gggtttaccgg aaacccaaac ttgaaaaaaa ccttggtggg gtgggaacaa cccccataa
180aaaggcgggg aaaaaagggt ttttttgga aaattgggaa ggctttgggt tttttgaaac
240cctttatagg cggaaaaaaa aaggtaaaca ccacaagggt ctttttttt ttttcaggg
300ttaggggggg ggggggggga gttttccna acaccaatat acagggtata cctctaacta
360cagcttgc attggtctaa aattgccatg gggaaag
397

<210> 2983<211> 372<212> DNA<213> Homo sapien

tactgttgtt agaagacgac agaagggtct acaagcacat gctgcctgag ggcttgaga
60ctggcctgtt catccattg cagcaaccca atatgaaagc aaactgctca ggaaccagag
120ggtgtgccc ccattgtcac tgtcattgcc catgccacac tagctgcca gaggcctaag
180aacctgcca cttgctggaa ccaaggcttc aacacctggg taagtcacct ggaggccaa
240gtattggccc acctagacgt gccaacatca gtggtaggtt tgggtgtcct gttcctggg
300cccaataact gaactatttg gtatccaaat ccccataaaa actccagcac aacctccact
360aataactaca cc
372

<210> 2984<211> 410<212> DNA<213> Homo sapien

cctagtttta tttctttgta gtgaaagaag attgccag agacagacag cagcatggtc
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120gcctgcggcc cactggcttg cctcactgta gttggtggtg gcagtgcag agactgcagc
180atgaccagag tggtaggaca ggggctatcc agggctgcac ctttcgagt gtgggtggg
240ttgggggcac tatccagggt gtcattgcct gcattagggg tactggttgg tagcactgca
300cagggtgca ctgcccacag caggagggt ggggttatgg tgctttctgg ggctgcaatg
360cccatggagg aggacagggt agggcatatc gggatatgc tactggcgga
410

<210> 2985<211> 407<212> DNA<213> Homo sapien

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120ggcaaccctt ggtgttttcc ccttaaggct acccaggctg gaatgcagt gtgtggtcat
180ggctccctgt accctggaac tcaggcttgg gtgatcctct ctcctttgcc tccgaagtag
240ccaggactac aggtgtgcac ccaccaccac actcagataa ttgctttgggt gtttttaaa
300cttgtaatga tcagtaggct gaggtgggca aatcataagg tcaagagttt ttttagatggg
360gtgagcacag accaattcct gttttattta ctgatttaaa attttga
407

<210> 2986<211> 453<212> DNA<213> Homo sapien

ttgtctttta ctagttttga aaaaagtaga acaaaataac caaagtgact tttgtacttt
60tctattggtg tgtgtttgtt tatntagaga tgggtgtcact ctgcgttgcc cagtctggcc
120ttgaactcct ggagtatcct tttgcctcag cctcccaggt agctgggact gcagggtgat
180accacctccc caacttggat ttactagtag tagcaagtgt agacaagagt ctcctatttg

240gaatgtaaatt tgttggttgg aatgtacgtt ggcacaaactt ggggaaagt tggcaatgta
300tatcaaaagc attaaaattg tgtatatctt gtggcctggc aatactcctt ttatgaattt
360attataaaaa aaagtacatt ttttaaaaa cttagctggc tgggtgtggt ggctcattcc
420tgtaatccca gcactttggg aggctgaggt ggg

453

<210> 2987<211> 407<212> DNA<213> Homo sapien

cggatggatt tggaagctgg aattcctctt aacaaccaag gggtttattt tcaaagcaat
60attggggaat tgatttcaca gttcgttacc ttagtaggga acggttaagg tttctttttt
120tttttttttt ttgggattaa aaacctgggg gcctaaattt aaccaaaaag gggccaaaag
180gtggaatgaa actaacctttt gggcaaaatt aaaccatccc cccaaagggc gaaaataatc
240caccgcccc cccggttttt tgggtgggta aatttggttt agattaaaaa caggcttttg
300ccccccagcc gggagggcag gggggtaatt agaacctttt cccccggga tgaaagcaat
360atcctgcctt cccccccca gaaatctaaa ataacgggcc cccccct

407

<210> 2988<211> 339<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggta agctattaag tgcattgttc cctcaggccc
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120aaagcacccc cttttttttt tttttttttt ttttaaaaag ggaattttgt tttgtgccc
180caaattggggg ggcaggggga aaatttaatt taaccacacc ctcttcttcc ggggtaaaag
240aattttttccg gccttgcccc ccaagggggg gggaataaag gggccttgcc cctcccccg
300ggaatttttt ttttttttta aaaaaaggg ggtcccccc

339

<210> 2989<211> 399<212> DNA<213> Homo sapien

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60aagggcgagg agggccgct gcgcaagcag cagctggaag cggaggtgga gctcaagcgt
120gacgaagccc ggcgcaaagc tgaggaagac cgggtgcgga aggaggagga gaaggcgcg
180cgcgagctca tcaagcagga gtacctgcg aggaagcagc agcagatcct agaggagcag
240gggctcggca agcccaagtc aaagccgaag aagccgcggc cgaagtcggt gcaccgggaa
300gagtcgtgca gcgactcgg caccaagtgc tctccaccc ctgataaact gagccggact
360cagtcaggct ccagcctgtc cttggcctct gcggcgaca

399

<210> 2990<211> 326<212> DNA<213> Homo sapien

tctacggctg cgagaagacg acagaaggga tggtaaaatg ataatcaacg aatactataa
60tcaaccctat gtccacaatt tgataactgc aatgaaccaa tctttgaaa gacacaattt
120gtcaaaaactc acataagaaa tagaccatct gagggggcct aaacctttta aagaattgaa
180ttaataatgt taaccttcca aaacagaaag cagggaccca gatgggttca ctagtgaatt
240ctactaaaca tttaaaggaa aaactaataa atgagatatt ccatgtttat ggatcagaag
300acaatattgt caaggtgaca gttctt

326

<210> 2991<211> 380<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggcgc ggcctcagcc tccagtggcg cgatctcagc
60tcaactgcaag ctctgcctcc cagttcacgc cattctcctg cctcagcctc ccgaggagct
120gggactatag gcgcccgcga tcacacctgg cttttttttt ttttttttg ggaaaaaacg
180gggttcccc atgtaacca ggaggcccta aatctccgga cctaaggacc cgccccctg
240ggcctttaaa agggctagaa taacgggggg gacccccgc ccagggcctg ggaagcacac
300agttttaccc ttgttacct cccttgggga aaagggtttc ggcacggggg ttcttttaaa
360ggagggacca gccctcattg

380

<210> 2992<211> 378<212> DNA<213> Homo sapien

ggcacgaggg ggaatggcagg tgatgagact cagccaactc ggtttgcttt tgtggaattt
60gcagacaaaa attctgtacc aagggccctt gcttttaatg gagttatgtt tggagacagg
120ccactgaaaa taaatcactc caacaatgca atagtaaaac cccctgagat gacacctcag
180gctgcagcta aggagttaga agaagtaatg aagcgagtac gagaagctca gtcatttatc
240tcagcagcta ttgaaccaga gtctggaag agcaatgaaa gaaaaggcgg ncgatctcgt
300tcccatactc gctcaaaatc caggtctagc tcaaaatccc attctagaag gaaaagatca
360caatcaaaac acaggagn

378

<210> 2993<211> 450<212> DNA<213> Homo sapien

accctacgaa caagctactn ggnnttttng cagganccca tnaattcgaa ttcggcacga
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120aggggtcccgt tgcaaaagcc ccctcacagg ctttggttca gaatataggt cagccaaccc
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300tcagcaaca ggcagctcag ccaacccgct gggtagcacc tcggaaccgt ggcagtgggt
360tcggtcataa tggggtggat ggtaatggag taggacagtc tcaggctgggt tctggatcta
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450

<210> 2994<211> 405<212> DNA<213> Homo sapien

nncaccanna aacttcagcc aaccgggtca ttgtggacac cattgttatg gccaatctgg
60gctactttca gctgaaagcc aaccaggag cttggatcct cagacttagg aaggagcgt
120ctgaagatat ttatagaatt tacagccacg atggcaccga ttctccccct gatgctgatg
180aggtgggttat cgtcctcaac aacttcaaaa gcaaaattat taaagtgaag gttcagaaga
240agggcagatat ggtgaacgaa gacttgctga gtgatggaac gagtgagaat gaatctggat
300tttgggattc cttcaaatgg ggctttacag gacagaacac tgaggaagtg aagcaagata
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405

<210> 2995<211> 400<212> DNA<213> Homo sapien

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60gcgactgccc acgagaccca aaaaagggtg tccggaaatc tcaccgtgag gcgcggctca
120tcagactgaa acttgctcac agacttcag ttatttattt ggggtctgaa ggatatcaac
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240agagttttat atatttatag tcacagacgg cagaggaaga ggctctcagt ccccacctgt
300acaacaacgg aaagggtgtgt ggccacacta agaatccaaa cgccgtggcc tcctgcagag
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400

<210> 2996<211> 336<212> DNA<213> Homo sapien

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60ttattaggaa atgcatgtat acggaaaaag aagaaggaat ctttaccat ggactacagg
120aagtgaagc aaaacgtttc cctacctgaa agtttccttg tgtgagactg gaatatatag
180ttttacctct gtacaccatt tttgctctag cctatatgga ctacctacac tcataatgag
240aataatgac aaatgaagga gttcgggtttt gtttgttct tttctttctt ttttttttct
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336

<210> 2997<211> 375<212> DNA<213> Homo sapien

tacggcttca gattacgaca gaaggagttt gtatcctagg agcaataggc tataccatat
60agcctagggtg tgtagtaggc tgtaccatct aggtttgtgt taaattcact ctttgatgtt
120tgctcaggga cgaaattgcc taaaaactca tttcttagaa tgtatccctg tcgttaagggt
180actcgtgacc gtattactat cttacagatg aagaaagtga agttctgaaa ggttaagtgt
240cttgccaaa gacacacagc cagtataatg ggagcaaac acaactgcct gaagaaaaac
300tttggttgat taaagtaaag taaaaacaga tctgaaaaga tctaccaatt caaatccttc
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375

<210> 2998<211> 373<212> DNA<213> Homo sapien

catgcgacgc catggaacat taaggaggaaa aagttttgaa aaaattaaag ccatttaca
60cctgggtttc aacgctagcc ctttctggat tgccatacgc cctgccaaga tactgcaggc
120ccattcaggc ctgtgctatc tgcatcagcc gagggctttc caggaacttg actgtctttc
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300gcggatcacc tgaggccagg agttggagac cagccaggcc accatgggga aaccctgtct
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373

<210> 2999<211> 399<212> DNA<213> Homo sapien

gggaagaaga aggaggagt gtaaaggctc caccaaccca accagttctg cctcctcaaa
60ctataatcca gcagcctcag ccattaattc aaccaccacc attggtgcaa agccaactgc
120ctcaacagca gcctcaacca ccacaaccac agcagcaaca aggacctcag ccacaggccc
180agcctcacca agtgcagcct caacagcagc agctgcagaa tcgctgggta gctcctcgta
240acaggggagc aggccttcaac cagaacaatg gagcgggcag tgaaaacttt ggtttaggtg
300ttgtacctgt cagtgcctca ccttctagt tagaagtga tcccgtgctg gaaaagctaa
360aggccataaa caactataat cccaagact ttgattgga

399

<210> 3000<211> 428<212> DNA<213> Homo sapien

ctttactagt ttgaaaaaa gtagaacaaa ataaccaaag tgacttttgt acttttttat
60tgggtgtgtg ttgtttatct agagatgggtg tcaactctgcg ttgcccagtc tggccttgaa
120ctcctggagt atccttttgc ctcagcctcc cgagtagctg ggactgcagg tgtataccac
180ctccccaaact tggatttact agtagtagca agttagaca agagtctcct atttggaatg
240taaattgttg gttggaatgt acgttggcac aacttgggga aagtttggca atgtatatca
300aaagcattaa aattgtgtat atcttgtggc ctggcaatac tccttttatg aatttattat
360aaaaaaaagt acatttattt aaaaacttag ctggctgggt gtggtggctc attcctgtaa
420tcccagcn

428

<210> 3001<211> 390<212> DNA<213> Homo sapien

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60acagcaactg gacaaagggtg aatttacgga gaagtacgtg gtcccgaga caaggctggc
120attcaagttc atcacactct accgggcgat acgggagcat ggcttctacg tcaactgactg
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240cagcctgtac gctggagggt agggaggatg ctacctttaa tcaactat ggatctctaa
300atgcatttaa ctgacgataa taaaacgtg tatgggccgg gcatggtggc tcacacctgt
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390

<210> 3002<211> 405<212> DNA<213> Homo sapien

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60aaggctgaaa tagttcatta tgtaataac cttctttatg ttctcagga aatgcttagg
120tggtgtcaca aaatgtgcct ttcttttct tttcttttt tttttttggg gcaaagcttc
180ctttttttcc ccagggtgaa ggccaggggg ccaacttggg ttaattgaag cctccccttc
240cgggggttaac ccttttttct ggcttagacc ttcaagyaat tgggaattaa agcttcccc
300cccccccccg ggatattttt ttggattttt aataaaacac ggggttcattt ttgttatcca
360gggggggttca tatctccggc cccaataatc cccccgcttt tgct

405

<210> 3003<211> 433<212> DNA<213> Homo sapien

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60caaagagggtg gattctaaac ctgtttccca gaagccccca cctccctctg agaaggtaga
120ggtgaagtt cccctgctc cagttccttg tctcctccc agcctggcc ctctgctgt
180ccccctctcc cccaagagtg tggctacaga agagagggca gccccagca ctgcccctgc
240agaagctaca cctccaaaac caggagaagc caaggctccc ccaaacatc caggagtgt
300gaaagtggaa gccatcctgg agaagggtga ggggctggag caggtgtag acaactttga
360aggcaagaag actgacaaaa agtacctgat gatcgaagag tatttgacca aagagctgct
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433

<210> 3004<211> 335<212> DNA<213> Homo sapien

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60gctggtaagg tgggtcaac caaaaaaggc ccagtgacc ctacactatg gaatgaattg
120tgtccccca aattcgatg ttgaaccct aactctcaat gcgactatat ttggagatag
180ggttttttagg tgattcaggt taaatgaggt cctaagggtg aggcctaat ctgatgggac
240tggtgttctt ataatggaa caggatgcac aagagagctc tctctccca catgcacgaa
300gaggccatgt gagtacagag caaatggcg gccac

335

<210> 3005<211> 350<212> DNA<213> Homo sapien

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60tggctgggtg ctttgcctcc cttgctatgc tgccaccctg agtttctgca cttcagaggg
120tttccatcac ttccttgcta aatttcagtg ctgtacctta catattctac ctaaagctta
180gttttatagt tgagttgatt tttctttgtg gaagagatag gcgtcgagca cttcagtta
240gccatttaac gcgtttttta tgttttaatg ctgaatagag ttccattgta tctactactt
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350

<210> 3006<211> 405<212> DNA<213> Homo sapien

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120gtattgatgt tgactttaa catagacatg atagaatgac tcagaattta atactctttg
180tgattttcaaa agtagatttt agcaaaatgc tttagtgaac acctgtgtat aattttttta
240aaaacattta acatttttaat cataaatgct aacagatcct tctgtcttat ttccagtctt
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405

<210> 3007<211> 408<212> DNA<213> Homo sapien

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60agtgaagcca gatcgtagca ctgcactcta gcctgggcaa cagagcaaga ctctgtctca
120aaaaaaaaaa aaaaaggggt ggaaaagggg aaacggcttg ggggggggt tacacctgt
180gaacccaacc tttggggggg ccgggggggg gggactccct gggggaaggg attggaacc
240cacggggccc accgggaaaa acccggtttt ttttaaaaa acaaaatttt accccggccg
300gggggggggg ccctgaaacc ccggtttttt gggagggttg ggggagaaaa ttggttaaac
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408

<210> 3008<211> 422<212> DNA<213> Homo sapien

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60acgacagacg ggtacggctc cgagaagacg accgaagggt ttgatataac tgtgtgggtg
120agtctgatta tactcataat aatataattt tatctgcagt gcctagaaca aaacctgcca
180tatggcaaat agtcaatatt tgttgaagaa atagattaat tgacattaaa agggagaata
240tttaatccct gctgaggact aataaaatca tttttattat tgtcaacttg cttaacaac
300catctcacia ataaaatgaa ggctactata ttgttttgca gttctgaatc taactttaca
360aaaatattga agagcatgct aagaaaagat catatatctg gcacattaaa aggcgttag

420ag

422

<210> 3009<211> 407<212> DNA<213> Homo sapien

ggcacgagga gactccacg aactggcttg gtatacagaa atgtccagag gccggagagc
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120aacaagacc gatgtgtacg cctagccctg gttcatgata tggcagaatg catcgttggg
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300gaagagtacg agacccaatc tagtgcagaa gccaaatttg tgaagcagct agaccaatgt
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407

<210> 3010<211> 403<212> DNA<213> Homo sapien

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120ctgagctggc aaaatactgg gccagaggt acaggctctt ctccggttt gatgatggga
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300gaggaaatac cattcagttt gccttaacag gaatgagagt gattgccatt gatatcgatc
360ctgttaagat tgcccttgct cgcaataatg cagaagtta tgn

403

<210> 3011<211> 387<212> DNA<213> Homo sapien

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120tatctttgat agatgggccc ctcttacgta tgtgtttatc atcagagggt gcactgacta

180acatggcgctc tccgagggta tggactacat gtctgaagat cttggtgagg tgagggaggg
240tgcctacatg taaaaaagct gttttaaaat taaatatgac ttttaattta aaaattaaac
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387

<210> 3012<211> 380<212> DNA<213> Homo sapien

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120ttggtgattg gtacatggga cctcactcat gtatgtttgc atctacttgt gagtcaaaaa
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240aaagtaaaag attatgaatt taggtcaaaa gccaatctcc ctctcattta attctacatg
300agcaagtcaa ggagtttggg agagctttat gaaatctcta aagattgaag gaaaacaatc
360actataatcg atttgataag
380

<210> 3013<211> 391<212> DNA<213> Homo sapien

ggcacgaggg tgtgaccaca cttcttcttg aaggcgagcc tcctgcccag gccccgtggc
60cctggagcct caataaagtg tccctttcat tgactggaaa aaaaaaaaaa aaaaaaagg
120cccccaaaaa aaaaaggggg gccttatacc taaaacccaa acggaaaaaa aaccttggaa
180agttgggaaa aaccccaacc aaaaaggcgg gaaaaaaagg cttaattgg aaaaatgggg
240gagccattgg ttttaattgga accaaaaaaa cccggaaaaa aaaaggtaaa aaaaacaatt
300ggcttttttt tatttttcaa ggtccggggg agggggggga agttttttnn ncatngcang
360actttctaca angacacca aactccttaa g
391

<210> 3014<211> 385<212> DNA<213> Homo sapien

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120tagacacaaa ggtacattta aaagacttaa aattttactg gatggaacat gatggaggct
180cattttttaat gtccaaagtg gaccaagatc tcattatgac tcagaaaaag gttgtggctc
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385

<210> 3015<211> 372<212> DNA<213> Homo sapien

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120ccaacgagga gggcatcact gccttgaca acgcatctg cggcgccaa tactctatcg
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240ccccgacccg cgcggtgggc tgggtcccc gtgggcggac gcgcagcctc tcacgcatcg
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360cgacacagtc at
372

<210> 3016<211> 381<212> DNA<213> Homo sapien

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60tcacgacgag ccgactcacg gagtgggtcga aagagcaaaa acaacaaca gtcttcaagc
120cagcagacat catcttctc ctctcttct tccttatcat cgcgttcttc atcatcaact
180gttggtacaag aaatctctca acaacaact gtagtgccag aatctgattc aaatagtcag
240gttgattgga cttacgatcc atatgaacct cgatactgca tttgtaatca ggtatcttat
300ggtgagatgg tgggatgtga taaccaagat tgccctatag aatgggtcca ttatggctcg
360gttgattga cagaggcacc a
381

<210> 3017<211> 442<212> DNA<213> Homo sapien

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180gagttgagat acattaatcc agctgtatct taaatgagaa acataaccac accgacgggg
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300tgactgtata ctggcagttg tgggtggggga tgggactgca agaaaaatct tgaggccagg
360cgctggtggc tcatgcctgt aatcttaaca ctttgagagg ccgaggcaag atcacctgag
420gtcaggagtt cgagaccagc ct

442

<210> 3018<211> 427<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gagaactatt ctcgagagca gttttttttt tttttttttt
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120atggcaccct ctttttctaa ggttaaggga atctccttcc ccccccccc taaaaagcgg
180gaaaaaaggg cacttccccc cttcccaggt taatttttgt tttttaaaaa aaaagggggg
240ttcccaaggg ggccaagagc agccctgtt cgtgcacaaa ggcaccaaca tggagaccgt
300ccaaaactgt cgcatttagg ggactgacct caccgtccaa gcgatattgg gttttaaant
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420aaataag

427

<210> 3019<211> 418<212> DNA<213> Homo sapien

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120ggggaaggga ctctgtcccc ttggggctca tcacccttcc acatcctcct cctcgttggc
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240cctgaaaggc aggggcccga tctcgggtta ttgaaaactt ggcctcggga ataaaggcaa
300ttttccggcc taacccttta aggaactggg aataacggc ccccgggccc cccccgggt
360taattttgga ttttaaggga aaagggggtt taacattgct gcccaaatgg ttttaaat

418

<210> 3020<211> 375<212> DNA<213> Homo sapien

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60caaacacacg tgcatgcaca cagcatgca cacacgcaca catgtgtgca cacatgcaca
120catgcgcgca cacatgcaca ggagcctcca aacacacgtg catgcacaca catgcacaca
180ctcacacgca tgcacacacg cacacaagca aacacatgga cacacacaaa cgcgcacatg
240tacaggagcc tgcacacaaa cacacgtgca tgcatacaca cgtacacaaa catgcacaca
300cacatgggcc aggcgtggtg gctcacgcct gtaatccag cactttggga ggccaaggag
360ggtggatcac gaggc

375

<210> 3021<211> 384<212> DNA<213> Homo sapien

ggcacgagac ctgaaagag agtgcaatga agaactttgc aattatgagg aagccagaga
60gattttttgt gatgaagata aaacgattgc attttggcag gaatattcag ctaaaggacc
120aaccacaaaa tcagatggca acagagagaa aatagatgtt atgggccttc tgactggatt
180aattgctgct ggagtatttt tggttatttt tggattactt ggctactatc tttgtatcac
240taagtgtaat aggttacaac atccatgctc ttcagccgtc tatgaaaggg ggaggcacac
300tccctccatc attttcagaa gacctgagga ggctgccttg tctccattgc cgccttctgt
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384

<210> 3022<211> 401<212> DNA<213> Homo sapien

nnnnacgaga gaaaggatag gaaggaagca tgagagagaa tagggagaag tgaacagggg
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120tacagctgcc ccatggcgac agaggcggcc aggcttctat acccctacgt ggatcactca
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240gcaaccccta ccagggtgga cggtgaagt ctgtctgctg accactgtcc cagcagctgg
300ggcttgtag tccttccctca aagggggatc cagatggcat gtcacagtgt ctacctgaaa
360tgctcactga atccagctgc aatgcaagaa gactccctga t

401

<210> 3023<211> 406<212> DNA<213> Homo sapien

ggcacgaggt ctctgcaaaa gaccctccg acccgagtgt tegtggaaact ggttccctgg
60gctgaccgga gccgggagaa caacctggcc tcaggagagag agacgctacc gggcttacgc
120caccctctct cctcaacaca agcccaact gctaccgcg aggtgcaagt aagcggcacc
180tcaaaagtgt ctgcgggccc tgaccggctg cagggtggcg tgcagtgag cagcaccaag
240gaggcggcag ccgaggccaa aaagagcgtt tgtcggcggc tagattacat aacgcatagc

300ctccagcagc agggcggtgca ggcagaaaat ataactgtga caaaggactt taggagagtg
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406

<210> 3024<211> 399<212> DNA<213> Homo sapien

ggcacgaggt ctctgcaaaa gaccctccg acccgagtgt tcgtggaact ggttccctgg
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120caccctct cctcaacaca agcccaact gctaccgcg aggtgcaagt aaggggcacc
180tcaaaagtgt ctgcgggccc tgaccggcg caggtggtgg tgcgagtga cagaccaag
240gagggcgag ccgaggccaa aaagagcgtt tgcgccgtc tagattacat cagcagagc
300ctccagcagc agggcggtgca ggcagaaaat ataactgtga caaaggattt taggagagtg
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399

<210> 3025<211> 399<212> DNA<213> Homo sapien

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120cggtagttct gggcaagcag gtgctagtgg tgggtggtgt ggatgaggtc cagagcccg
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240ctcaagcagc catgggggtt gcaactgtgg agagagatgg tatggtgtat gctctggggg
300gaatgggccc tgacacggcc cccagggccc aggtacgtgt gtatgagccc cgtcgggact
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399

<210> 3026<211> 407<212> DNA<213> Homo sapien

ggggccagcc cagcccttg agatgtcgag gttggcataa cacaagcca aaagagaaag
60aacatcctgg ccaacgtgga caaacccag ctaaaacgca aatgtaactg ggggtggagg
120tgcaagcctg gaaacccaat tgcttgatag gctgccgcta gagactcact tcaaccagg
180aggagcagga tgcgcagagc ttatatgtc ccactgcact ccaacgtgag tgacagataa
240aacctcatct cctaaaaaat aataataata ttctagcatg tttatatgaa aataattgtg
300ctttccaaaa cagaaataaa aatagtga aatgtgtcat tgtttacat ctctatatca
360aatgtataga ctacaggtag atttccttat ctgcttctgc agtcatt

407

<210> 3027<211> 353<212> DNA<213> Homo sapien

tatcggtgc gagaagacga cagaagggtg cggctccgag aacacgacag aagggttaata
60tcaagctgta ttttttcaa aggttttta aactttggag actctttctt ttgttaagca
120gttaaaggaa taaaagagct ggaaaaaaa ttgtacctc aactcagggt gttccatata
180acatacgtat tctctgctgt tacgtaagtt ttccgattca cagagtccat tcatgtacat
240cacttacact taaattgtaa aaataattag tctgaccatc tgactttaaa agactgttgc
300tacacgtaca tcatgtttag gagaatgtgg gatatggnga aggggagaag aag

353

<210> 3028<211> 340<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtac ggctccgaaa agacgacaga agggcattgg
60taaaaatagac aaaaatggcta ctcttaatct accattctca ctgggttgtt gtgaggacac
120agataattaa gaaaaacata ataaatatcc aaattagaaa atggaaaagg ggccgtaacc
180ctactcctaa cctgggtcatt ttaacctcct gtgccctcag tttcttcac tgtataatgg
240acataggcct ggtgtggttg caagaagcag ctaaaaatca ggaaaaagaa catcatgtat
300tcagctatgc aacttccaa cgttgcctt tactgaggn

340

<210> 3029<211> 417<212> DNA<213> Homo sapien

ctgtgttgag gctaattggc gtgccacgg aactggatgg agggagtgtt aaggagaccg
60cagcgggaaga ggaatcgga gttctggcac ctggcgccg cccgttcgga aattttcctc
120attattctcg ctccaccct ccggagcaac ggctccgct cctgccccg gagctgcttc
180gacagctctt tcctgagagt cccgagaacg ggccgattct ggggctcgac gtggggtgta
240actccgggga tctgagtgtg gctctataca aacacttct ctccctacac caggggaaa
300cctgtctaga tgcctcaaga gaattccgtc tcctctgctg cgacatagat ccagtcctgg
360tgaagcgagc cgaaaaagaa tgccttttc ctgatgcctt gacttttatc accctgg

417

<210> 3030<211> 407<212> DNA<213> Homo sapien

cgttgctgtc gaaagactca gcccaagtat aggatgccct ttttcccttt gttttttttt
60ttttgaaaag ggagtttggg ttgccccca aaggtggaaa ggcagggccca gaatttgggt
120taactgaaat acccccctcc ttgattaagg aaattttctt gcttaaccct cccgggaagt
180gggaatggaa ggccccccc cccaccgagg gtaaattttg gatttttaag aaaaaacggg
240ttttaacaat ttggcgcagg gtggttttaa acnatnaacc taagggaatt accttccctg
300gccctccaaa aggccgtgaa taaagggcgt aatgcccgcc cccaaacaaa aaaggggggt
360tttctaaata ccgggggggt ggggttttaa acaatacttt gacaaaa

407

<210> 3031<211> 423<212> DNA<213> Homo sapien

ggaaatttgg gaagaatcca agaagtata gccaatgaaa acaagttatt aatacaata
60gtactgtata tgagagtaca cattacgaat gctgtgcttt aatgcataaa catgtttaca
120gtggtccaca tgtgccagga gatgtgggaa tggctacccc tgaagtcata tggagaaatg
180gggtcctcat cgcacacccat acacaaacat catctcacia atggattaaa gacacttaag
240acctgaaacc aaaaaaactc ctaggagaaa acacagggga aagctccatg acatcagttt
300cgcgatgat ttttttttgg acatgacact aaaagaacaa gcaacaaaac taaaagtaaa
360caggtgggat tacattgaag taaaaagttt ctgcacaaca aaggaaacaa ccaacaaaat
420gag

423

<210> 3032<211> 410<212> DNA<213> Homo sapien

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60gacggtgtag tgagttccgg ctactcagg tccaattctg tcccattgtt cgttgcatgt
120gaacttttct ggatttcagt tctttcatcc ggggcctgcc ggtgccgtaa acggccattc
180aaagggaata acgaacacgc acaccaaagc gctagcttgc gtccctgcgc atgcgcagtg
240acccgagcgg agaggccgag gcgtagccta agcgtgggat tccgcgcgtg cgctcggctc
300cgctcgtg gcgcgcggcc gggagggact ggattatgtc ggccccgttt gaagagcgga
360gtgggggtgt accgtgcggg accccgtggg gccagtggac cagaccttgg

410

<210> 3033<211> 416<212> DNA<213> Homo sapien

ggcacgagga aacgtttgtt gttttgtct tcacaataaa ccttgggtacc gccaaactct
60tgggtccgtg catctaaaag cgctgtgaca ctaccgcga aggtcccggc tttattcctg
120agaccacgaa cccaccggca ggaaccaact ccagactact atgtgctaca gagaacttct
180tcaggccttg aaaatagaac atagtaaaaa gcggcttctt tgtccatgga tcagcagtc
240ctatttccca gtcgcctcc aagagctaac taaagtgcag cataaactgc atgcagcatt
300gttttcacca cagcaaaccc ttcgggtgct ctcttagcgg cggatggaga actagcattg
360cgcgagagca ggaatgggac acttgtgtgt aacaaaagat ggactgcgct tggaag

416

<210> 3034<211> 431<212> DNA<213> Homo sapien

cgttgctgtc gaagactgag gtcgttgatt ctgatggatc agtgaaagac aaaatcacag
60cattcatagt agaaagagac ttggtggag tcaactatgg gaaacccgaa gataaattag
120gcattcgggg ctccaacact tgtgaagtcc attttgaaaa caccaagata cctgtggaaa
180acatccttgg agaggtcgga gatgagtta aggtggccat gaacatcctc aacagcggcc
240ggttcagcat gggcagcgtc gtggctgggc tgctcaagag attgattgaa atgactgctg
300agtacgcctg cacaaggaaa cagtttaaca agaggctcag tgaatttga ttgattcagg
360agaaatttgc actgatggct cagaaagctt acgtcatgga gagtatgacc tacctcacag
420cagggatgct g

431

<210> 3035<211> 335<212> DNA<213> Homo sapien

tacggctgag agaagacgac agaaggggag gagacacaga acatggcggg agggatggca
60gtctaccctg tggaacgcg gaagtcacgc tgccgcaagg ggcgcattgg ggcccatag
120accccagaa gcaaatgata ggtaggcgga cttttccgc ttgcgcgcat actcagctac
180gtaagactcc ttccttcacc tttccttct ttgccttcc tttccctgac gctggaggaa
240gaagggcagg ggttctgtgc catangcggc ctttctggtg cagaggacct tccccatcct
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335

<210> 3036<211> 408<212> DNA<213> Homo sapien

ggcacgaggc aactgcatc ccagtccagt cacgggggtc tgggccctga gcggctacag

60caggcactga gccaggaaca catcatcggt gccaggaac agacagtga caatcaggag
120gaagccgcct acatccaaga gatcaccacg gcagatggcc agaccgtaca gcacctggtg
180acctccgaca accagggtgag ctactagcta ctgttaatcc cctcagctgt gacctcctac
240cctcccaaag acctaccttg gggaggaaatg atactttcca aaccacccct cctgggggtcc
300atgcttgcca acaactgcat tgttgctggt ggctgttctt agtcttccac tctgccttct
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408

<210> 3037<211> 353<212> DNA<213> Homo sapien

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60acagagtcta ggactggcca tatagttaaa gaacctaccg tcaagcagga gtagtggttag
120aaattgcttg atggttgat tagcctgatt tcatgctgtg atacagacac accccagact
180ggggagttaa tagagaaaaa gaggtttgat tgactcacag ttccacatgg ctggggaggc
240ctcaaatca tgggtgaagg ctaaaggata tcttacctg tagcagacaa gagagaatca
300ggaccaagca aaaagagttt ccccttgtaa agctatcaga tcttgtaga ctt

353

<210> 3038<211> 352<212> DNA<213> Homo sapien

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120gaataacact tcgacctgcc tacaatctt caacagttta ttccagctat tacctccttt
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240ctttcaatat tatctgtgca cctctggctc tagccactac caatttaaaa gctttttgta
300tggtatctat ttctcagtct gcttaaaaca aagaatacat aaatgaacgg cg

352

<210> 3039<211> 346<212> DNA<213> Homo sapien

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120ggagagggtg ccttgcttga atgggggcac cgcaggggtt ttctgacct gtgcttcac
180tgtgctatgc tctaccttc cctcagtcag tcataaaatc cctgtttgc tgcccccgcc
240tttgcttccc cacactgact atattagagt cctcatttgc agagcagcac tgcaagctaa
300gtattttag cacagattaa agagactgag gagggctctg gggagg

346

<210> 3040<211> 335<212> DNA<213> Homo sapien

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60gctaaacaaa atcattcact tccctgattt tgataagaaa attcctgtaa aggttaagtaa
120tgaaaagtat gtatgactgt gatagaagat tgaaaatac acattgattt tagagtacag
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240tgagatggac tgctgctctg tcgcccaggc tggagtgcaa tgggtgtgac ttgggtcact
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335

<210> 3041<211> 375<212> DNA<213> Homo sapien

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60tccaatttca tctgctgttg caggcgtagc aataggattg gtcacaaaaa ccgatcctga
120gaagggtgaa atagaagatt atcgtttgc gacagatatt ttgggaattg aagattacaa
180tggtgacatg gacttcaaaa tagctggcac taataaagga ataactgcat tacaggctga
240tattaattaa cctggaatac caataaaaaat tgtgatggag gctattcaac aagcttcagt
300ggcaaaaaag gagatattac agatcatgaa caaaactatt tcaaaacctc gagcatctag
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375

<210> 3042<211> 389<212> DNA<213> Homo sapien

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60agcaagtttc cagggtgatgc tgtgttgct ggtctagaga ctattttgag aacctgtc
120caggagcgtg gttttctgat tgtgatctga ggtctgccc caactgcaca gcagtgggc
180tgcttgtaa aaatgcaggt gcagatcttg gtggtagtag caaatattca aacgagaact
240ttgaaggccg aagtggatca cttgagctca ggagtccaag accagcttg gaaacatggc
300aaaaccgctc tttatgtgcc tggaatccca cctgctcagg tggctagggg ggaatggatc
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389

<210> 3043<211> 387<212> DNA<213> Homo sapien

ggcacgaggc aatgtgcagt acctgaaaag caggatatta tgaagaaact gaaggagatt
60gcattcccaa ggacagatga attgaaaaac gaccttttaa agaaatataa cgtagaatac
120caagaatatt tgcaagcaa aaacaaatat aaagctgaaa ttctcaaaaa attggagcat
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240tcggagcagt ttctgttttt cgaagatcaa ctcaagaagc aagagtttag ccgaggtcaa
300atgcgaagtc agcaaacctc agggctgtca gagcagattg atgggagcgc ttgtcctgc
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387

<210> 3044<211> 373<212> DNA<213> Homo sapien

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60gtagtggag tgtattgctt agaacaaaag agatgagaca ctaacactgt gtgtatattc
120taaatcatat atcagtgaag aaatgtgatg ttgcaacat cttctctggg gatgctaacc
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240gtgagaaatt ccaccataat ctacacacca taatatcatc aatgtgtcta gaagtcagat
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373

<210> 3045<211> 379<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga agggctcaca
60cctgtaatcc tagcattttg gacgctacgg cataagcatt gcttgaagcc aggagtttga
120ggccggcttg ggaaacagtg aaatcctgtt tctacacaaa ataaaaaaaa ttagtttgct
180gtgggtgat gcatctgtag tcccagctac ttgggaggct gaggtgagag aatcacttga
240accagaagt tcaagactgc agtgaactat gatcgaacca ctgaacttca gcctgggcga
300cagtgaagcc cttctcaaa aaaaaaaaaa aaaaaaaaaa aaaaaggggg cccttttttc
360cctaaccaca accttgaaa

379

<210> 3046<211> 410<212> DNA<213> Homo sapien

ctgcgctagt cctaaagagg aaatgtctct actctgctg gatgcagccc gcaccctggg
60gccccgggta ttggggagat atttttgcag cccagtcaga ccgttaagct ccttgccaga
120taaaaaaag gaactcctac agaatggacc agaccttcaa gatattgtat ctggtgatct
180tgacagacagg agcaccctggg atgaatataa aggaaccta aaacgccaga aaggagaaa
240gttaagacta cctccatggc taaagacaga gattcccatg gggaaaaatt acaataaact
300gaaaaatact ttgcggaatt taaatctcca tacagtatgt gaggaagctc gatgtcccaa
360tattggagag cgttggggag gcggagaata tgccaccgcc acagccacga

410

<210> 3047<211> 396<212> DNA<213> Homo sapien

caaccgagat gaagggtgaag atgctgagcc ggaatccgga caattatgtc cgcgaaacca
60agttggactt acagagagtt ccaagaaact atgatcctgc ttacatcct tttaggtcc
120cacgagaata tataagagct ttaaatgcta ccaaactgga acgagtattt gcaaaacat
180tccttgcttc gctggatggt caccgtgatg gagtcaattg cttggcaaag catccagaga
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300agcgaattg tatccgtaca atacaagcac atgaaggctt tgtacgagga atatgtactc
360gcttttgtgg gacttctttt ttcactgggtg gtgatg

396

<210> 3048<211> 358<212> DNA<213> Homo sapien

gcctacggct gtgagaagac gacagaaggg tacggctgcg agaagacgac agaagggtt
60ctcaattttc cttttgacgc aaaanttact cactcagttt ctaaagaaat attttttaa
120aagggttca gtatacgtta gttctctcat ctacacctgg ttgctcta atcggtgacatg
180aaatgcaggc tttttaccat cgtaagcagc actaatatga acttggaat attttaaca
240cgcgaaaggc taacaagatg actcagcaat accaaagaca ggctgaaatg tccgttacta
300acaaatactg aaaccctttt taataaatat ttatctagga actgagcgag aaattttt

358

<210> 3049<211> 413<212> DNA<213> Homo sapien

cgcacgagga agaaaaatgt ttgtaatcta ttcatttgat aaaagaccaa tattcaggat

60attcaagaaa cccaaacaat tcaacagtaa acaaataagc ccatgaaaaa gtaggcacac
120tttttctatt tacctccata aatagacaat tgtcaaagag agacttacaa atggccaaca
180cgaatatgaa aaaatactca atgttcccaa tcatcaggga aatgcaaatt ataaccacag
240tgaatatata tctcatccca gtttgaatgg ctattataaa aaagacaaaa aataaccaat
300gctgatgagg aggtagagaa aaaggaactc ttgtgactg gttggtggaa atgtaaacca
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413

<210> 3050<211> 398<212> DNA<213> Homo sapien

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240cctgacctca agggatctcc ttcccaaagg gttgcaattg cagggggaac ccactgcccc
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398

<210> 3051<211> 340<212> DNA<213> Homo sapien

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120gtactacaac agctacagtg tgtcatagag ctggaggcgc cccgtccggt cagccctcgc
180gccctctct tctgtgctt tgagtggcag aggagccgct cagccacacc agctttcctc
240ccaccgctca gggcaggagg gtctgaactg cggcccaga gcctttggcc taagctggac
300tctccttctc cgagtgcgc ctctatcccc ttcccacgt

340

<210> 3052<211> 383<212> DNA<213> Homo sapien

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120tttccctgat ggttgatgat tttcaacatc tttcatata cttattagt attatgtatc
180ttctttggag aatgtctgtt cagatccttt acctacttta taattgggtt atctttttaa
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383

<210> 3053<211> 415<212> DNA<213> Homo sapien

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60tgggattaca agtgtgagcc actgcgctag cctatgcttt acttattcca aaaaaataac
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415

<210> 3054<211> 421<212> DNA<213> Homo sapien

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240cttgaaagcc agggggccaa tctgggttaa tggaaaactt tgctccgga ataaaagcaa
300tactccggcc tcacccttta aagtaccggg aataacgggg cccctcccc cccccgggt
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420g

421

<210> 3055<211> 162<212> DNA<213> Homo sapien

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60agaatatatc ttttatatat tgctgcagtt tcttatgtt aatcttttaa cactaaagga
120acatgacata atcataccat agaagggaac acagggtacc at

162

<210> 3056<211> 381<212> DNA<213> Homo sapien

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381

<210> 3057<211> 400<212> DNA<213> Homo sapien

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120cagacctcac tctacggaca gtgccacaca tagaaagatg actctgtcac ttgcagatag
180gtgttcaaag acacagaaga ttagaatctt gccaatggct ggctcgtgac ctgaatgcca
240acgcacagaa atgattaaga aagaagaaga acgtttgagg gcttccatac gtagggaatc
300tcagcagcgc cgaatgagag agaaacagca ccagcggggg ctgagcgcca gttacctgga
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400

<210> 3058<211> 335<212> DNA<213> Homo sapien

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120accaggaaca taggagtgga ttctgtcca aaccaaattg cattcctttg gatttttaaa
180tttaacttaa ttggctattc taaagagtcc cctcaccga atgtttgatc attggagccc
240ttaagatgca caatgaaatt gtgttttgca ttttttggtg acaggactaa aggaaggacc
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335

<210> 3059<211> 387<212> DNA<213> Homo sapien

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120agtagctga gattgaagat gagtggattt atgaattgaa taacaataaa tatectactt
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240atctgttgga cagattggag ctggcagggg agggcctgta ttgttgaagt tgccatggct
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387

<210> 3060<211> 395<212> DNA<213> Homo sapien

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120tgggctggac ccataaacta agttatatcc gggaaaaaaa aaaaaaaaaa aaacccctt
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395

<210> 3061<211> 399<212> DNA<213> Homo sapien

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120gtggaagaag ttcaaggacc tggagtagtt ggtgaatttc caatcatcat cccaggtcgg
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399

<210> 3062<211> 399<212> DNA<213> Homo sapien

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120tcaagagaaa aagaaaggac agttccatct attgatgttt gagaaatcaa atgagattag
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399
<210> 3063<211> 385<212> DNA<213> Homo sapien
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120cattccatgc agggcatttg gaagcaaaat gtggaggtca ggccatgctg ggctattcag
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385
<210> 3064<211> 334<212> DNA<213> Homo sapien
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60tgctagaaga ccacagaagg ggaataaaa aaaataaaac attttttttg gccctttttt
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334
<210> 3065<211> 422<212> DNA<213> Homo sapien
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120taatctctac cttactact acaggcccta cctcaatat cataggcca gtccagacta
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240ttcaacgct tctgacttcc aggtgatgac tgggccccca ataaatccc tttttgggtc
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360nnnnnnnnnn aaaaaccccc cgcggcgcct tttgttagaa aaaaacaaaa aaaaaaaaaa
420aa
422
<210> 3066<211> 421<212> DNA<213> Homo sapien
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421
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360tgtcatctct gttccaggat agcaaacttg tgtatatt
398
<210> 3068<211> 421<212> DNA<213> Homo sapien
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120gtgactgagg agatgctatg ggagtgaag cagcttgggg ctactcccc ctccaccttg
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240atgaagctgg ccttctccaa ggtcttgca cagacaaaga agaaccctc taatcccaag
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360gttacagatg acatgtatgc agaacagacg gaaaatccag agaatccatt gagatgtccc
420t

421

<210> 3069<211> 386<212> DNA<213> Homo sapien

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120ggagatggaa taggaaaaat acttgaagac ataattggcca aagattttct gaataata
180aaaactaagt ccacagatcc aagatgctca acaaaccctg agtatgagaa atatgaagaa
240aaatattgcca aggctcatca taacttgctg gaaaccagt ttaaaaagaa aatcttaaat
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386

<210> 3070<211> 415<212> DNA<213> Homo sapien

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240atcatgcagg cagcatccac gagaaagctg gagaggctgt acttttaaaa agttggaggg
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415

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240aatgtgtgta cttcttaggt taacctgccc ttcgtcacct catgaaaagt aagacagact
300taggtggctg actttggagg gttttttttg ttatatttgc tttcattata gatcagaac
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411

<210> 3072<211> 406<212> DNA<213> Homo sapien

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60agctacagct aggactcgtt tggttgggg tttttagttt gtctttctaa agtcatgtgg
120accttaattt aattacaaaa gtctaccctg gtggtcatga aataggcagg cctatgaaga
180aaggcctttt actctccag catgcaagct cagaaccaac acattactct ctgtgcctaa
240tgcttctcaa tgtggtgat tttttttttt aatttataga gcatttcggg ggaggtgtgg
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406

<210> 3073<211> 409<212> DNA<213> Homo sapien

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120gaagcctcag accagatcgg gagccacac gcagctcatg gggacagagg gccagggtg
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409

<210> 3074<211> 406<212> DNA<213> Homo sapien

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406

<210> 3075<211> 399<212> DNA<213> Homo sapien

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300gctcgatgct ggacatactt gaccggggtc atcctagggg aaacactatc ctctgagatc
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399

<210> 3076<211> 425<212> DNA<213> Homo sapien

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120tcagcaaaac aactaaaga ttgggcagtc actggggaga aactcagcc cgcctgcacc
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425

<210> 3077<211> 404<212> DNA<213> Homo sapien

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404

<210> 3078<211> 376<212> DNA<213> Homo sapien

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376

<210> 3079<211> 326<212> DNA<213> Homo sapien

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326

<210> 3080<211> 393<212> DNA<213> Homo sapien

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120caaaagcacag ggcaacagcg atctctaata gaaggcgag cgttaccgtc tcattgcggga
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360taatgagaac tttctgctgg cacgcgctat ggg

393

<210> 3081<211> 390<212> DNA<213> Homo sapien

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360tgacgtctgc cagaagcagt tcacccagaa

390

<210> 3082<211> 349<212> DNA<213> Homo sapien

tatgtacttc gattgagaca tgacaacata cagtgatgag ttggtgcaat gcactcctac
60aaggcaacga aagataagct ctatttagca acttcgtgat gctatctggt ttattgggaa
120ccattataaa ctgcaataaa ctggctagct acgacaattg catatcttgt atgttacaag
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349

<210> 3083<211> 410<212> DNA<213> Homo sapien

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120ctccctgtcc acagtcccgt tgttccttca cagccttaca gggtatccca gcaaccagac
180tgagccctgg ggaaggttcg aataacctca ggcaggccag agcacaactc ctgccatcct
240tctcttagct tagggaagct tgcccctaga gcagcatctt catagtatgt tccccaaac
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410

<210> 3084<211> 390<212> DNA<213> Homo sapien

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120cgtgagtcctc gagaacatta tcctctatgg tcagagcatt gggactgtcc ccacggtaga
180cttggcctcg aggtatgaat gcgcagcggg aattctccat tcccctctga tgtctggtt
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390

<210> 3085<211> 424<212> DNA<213> Homo sapien

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424

<210> 3086<211> 395<212> DNA<213> Homo sapien

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180acagaatggt acgggtgctaa aagacgacag aagggctacg gctgcgagaa gacgacagaa
240gggttacatt acatgatgct tcaatactag ataaaccagg cttttgtgtc aaagctagat
300tataggattt ggagtttaac tttcttttcc cagcaaggta gtggccatct gagtcagctg
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395

<210> 3087<211> 423<212> DNA<213> Homo sapien

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120ggaaggtttt ttgaacttta aaaaattaaa aatatagctt attgaataac cgccataaaa
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240aacggagtca taactatgat accaggctgt agtgcagcgg cacgatcttg gtatattgaa
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423

<210> 3088<211> 409<212> DNA<213> Homo sapien

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300ctgctgagct ggagggcgct aggtgacct tgccgagcat ctctgacagc aatcggcaca
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409

<210> 3089<211> 417<212> DNA<213> Homo sapien

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120ggcaaagacc cctctgaaac caaagagcaa gtatcaccgc ctgacacata aacttcatga
180cctcgacatt gagacaaaat ctgcgctgt gacctacaac accactcatt taactccacc
240aacttggggt caaataaagg tcttatccca tcaacagaaa aatcattaag agaaaaatga
300atccccaaaa cgacagtctg cagatcccg aaggaatccg aagacaagtc caaagtcaac
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417

<210> 3090<211> 337<212> DNA<213> Homo sapien

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120tttaattttg taaaggcagg accttcctat ttccccagg ctgatctcta actcttggcc
180tcaagcaatc ctctctctt ggcccccac aatgttggga ttacagatgg gagccccat
240accaccaat cacaaggatc ttataagag aatgaggcag gagagtcaga attatagaac
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337

<210> 3091<211> 375<212> DNA<213> Homo sapien

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120gatcccgggtg acagttgctg tggaatttcc atgctgggca cacttgaggc ccaaagctcc
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375

<210> 3092<211> 428<212> DNA<213> Homo sapien

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60gctgcgagg gagctgcagg actgatgtac agaggccagg ggcccaggc aggaccagc
120ctggacttga ctccctggga tcccaggaag ggcacacct tctctacca ccgagtgag
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428

<210> 3093<211> 384<212> DNA<213> Homo sapien
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60ttttatatttt tgtgtggatt tctgtgtagg agtttttgta tgtatggaag aaagagaaga
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384
<210> 3094<211> 345<212> DNA<213> Homo sapien
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120cctcccctct ggttgggagc actgaggaca gtgaggaggg cttttacctt gttaatcctt
180tcctatttta gctagctttc ctttttgctc agggcttcct cttgagacct tcttccatcc
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345
<210> 3095<211> 425<212> DNA<213> Homo sapien
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120aaagtggctc aatagtcaaa gacaggttta ttttgaagaa taaacctgag aggggcttct
180ggctgatttc ggtcaggagc atgttctctc acagactaag attatttaag ggttcaggga
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425
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402
<210> 3097<211> 386<212> DNA<213> Homo sapien
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386
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407
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60catcttacag agcacttgtg tccagaatgt ataaagaact ctttttattt gcgtgtgtgt
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300ttggtggtat atgcttgtaa ttccagctct ttgagaggct gaggtgggag gatgatttga
360gatcaagagt ttgagactag cctaggggaac acaggggagac cccatctcta cataaaaatta
420aaaaaa

426

<210> 3100<211> 375<212> DNA<213> Homo sapien

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120agaaacaaag atagttttct gaacattctg tgcctgcct gtctcctgtt gattcgcaga
180tgtaatatcg agtattcatc aactggcttc aatttcctga acacattcac tgtatccctc
240attgtaaccg ttatccccct gcttcaaaat gtgccagttc cacttggtta taacgttggg
300aaaatgcagg tttatgaatg atgtggactt ttagaggatc aaatcaataa attggatttt
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375

<210> 3101<211> 388<212> DNA<213> Homo sapien

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60tactccctta aactagaaga ggtgactgtt ccaccagatg cacagatata aacataaaga
120cccaagaac acaaagaagc aaaaacaaaa cgaaacaaaa aacacacaaa caaatgaaac
180gaaacacaac acttccaaat gaacataata attctcctgt tacagaccct aaagaaaaga
240aaatctatga aatactaaga agaacttgaa aataatgata ttaaggaaac tcagtaagat
300ataagagaat acagaataac aattcaacaa aatcagaaaa acaatttcta aactgaaaga
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388

<210> 3102<211> 417<212> DNA<213> Homo sapien

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120tgttttccaa ggtacaggat gccgcgcctc ctaggagccg aagggacggg aggccgcgta
180gaggagggga ccgtccccga gcctgcgcga gcctgcggtg tagacacctc tgggtgtctag
240tggttgagga tctgttgacc gggcatgggt ggtagaagga acgctccgag cagaagaaaa
300gtggctgtcg tgaagacatc tgcgtgtgcg ggggtgcgtg gtgcctggag atgaagctgg
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417

<210> 3103<211> 340<212> DNA<213> Homo sapien

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120acttaattag ggtgcctcct acctcttaca caaatgaaat gctttgtgac aggtattctt
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240gattgcaaaa ggagcaccag ataagggagg tgttaccatg ctgtgcagca gaagaaggct
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340

<210> 3104<211> 351<212> DNA<213> Homo sapien

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240tttactcatt ttgcctttta atctttttat ccttttttgt gaagggttcc ctttaggaaa
300aaagggtgtca aacaacctg agtttttttt ttttggcacc atttttataa g

351

<210> 3105<211> 342<212> DNA<213> Homo sapien

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240tttttgcctt caaaaacttc ttctttgaag ctctatacct tgggtgtaaa ttgaggctac
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342

<210> 3106<211> 395<212> DNA<213> Homo sapien

atccgatgct gccgaaacca caaagctaca tactgaccct cttttttttt gagacggagt
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240ccaagctggg cttaaagac cctcttattt ttaacttggg tacctgctat tctgccaaaa
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395

<210> 3107<211> 160<212> DNA<213> Homo sapien

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160

<210> 3108<211> 422<212> DNA<213> Homo sapien

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360tttgggatgt ggagacaggg aattgcattc acacgttaac agggcaccag tcgttaacaa
420gt

422

<210> 3109<211> 154<212> DNA<213> Homo sapien

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120atttatccgc tgattcagat gaagcccttc gaag

154

<210> 3110<211> 351<212> DNA<213> Homo sapien

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240agaacctgct attgccgatt acgcatttac aacattacag cctgaacttg gaaagatcat
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351

<210> 3111<211> 391<212> DNA<213> Homo sapien

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240caacacatac tgagggtctac ttgaagtgcg gggaggtgtt gnaagtttat cacacacaa
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391

<210> 3112<211> 396<212> DNA<213> Homo sapien

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240tcttttagaa cgtgacctgt gccccaggca ccagatttac tccccgagcc cagcaggaca
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396

<210> 3113<211> 179<212> DNA<213> Homo sapien

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120cggggaatgg ccgcggtgtg gcagcaagtc ttagcagtgg acgcgaggta caacgcgta
179

<210> 3114<211> 352<212> DNA<213> Homo sapien

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352

<210> 3115<211> 333<212> DNA<213> Homo sapien

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120aggaatccta attagccaa tcaggtattt tcattctgct ctgtcagtga ctggccatga
180ggacagatgg gaaaatctag aagcttctgg aaatatgttt ctctcttcta caccttctac
240agaaggtgtg ggaggaagag tgcctttctt cctctcacc cctctcccaa ccggtagaaa
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333

<210> 3116<211> 346<212> DNA<213> Homo sapien

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120acttacctta gaactcttcc tttgtacag atcaatttag aatttagtgg aatgcccatc
180ttttgttttt ttctaggaac actatgacca gccagccaat gctgtagggt tctgtgaatc
240agactattca gattattgct ttgactttgc cgtccattat ggtaaccata actactttat
300ctttagtgt taagtgtgc cacttggtccc ctgccacccc aggatg
346

<210> 3117<211> 343<212> DNA<213> Homo sapien

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343

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403

<210> 3119<211> 357<212> DNA<213> Homo sapien

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357

<210> 3120<211> 404<212> DNA<213> Homo sapien

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300ccccctgcgc tggacagtgt ttagctcgag cgtggcctgt gctctccttt ctctgacctg
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404

<210> 3121<211> 372<212> DNA<213> Homo sapien

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372

<210> 3122<211> 387<212> DNA<213> Homo sapien

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387

<210> 3123<211> 342<212> DNA<213> Homo sapien

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342

<210> 3124<211> 338<212> DNA<213> Homo sapien

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338

<210> 3125<211> 393<212> DNA<213> Homo sapien

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393

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325

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325

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375

<210> 3129<211> 377<212> DNA<213> Homo sapien

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377

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337

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336

<210> 3132<211> 379<212> DNA<213> Homo sapien

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379

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353
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384
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372
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436
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344

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375

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373

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374

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372

<210> 3151<211> 381<212> DNA<213> Homo sapien

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120aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg
180acagaagggt acggctgcga gaagacgaca gaagggtacg gctgcgagaa gacgacagaa
240gggtacggct gcgagaagac gacagaagggt tacggctgcg gaagacgaca gaagggtacg
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360agaagacgac agaaggggga g

381

<210> 3152<211> 395<212> DNA<213> Homo sapien

ggcctncccc gcatcggcct acggctgcta gaagtcgaca gaagggtacg gctgcgagaa
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120agaagggtac ggctgcgaga agacgacaga aggggtacggc tgcgagaaga cgacagaagg
180gtacggctgc gagaagacga cagaagggtta cggctgcgag aagacgacag aagggtacgg

240ctgctagaag acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga
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360gacagaaggg tacggctgcg agaagacgac agaag

395

<210> 3153<211> 374<212> DNA<213> Homo sapien

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120aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg
180acagaagggt acggctgcga gaagacgaca gaagggtacg gctgcgagaa gacgacagaa
240gggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac agaagggtga
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360gatgcgtgca tttta

374

<210> 3154<211> 375<212> DNA<213> Homo sapien

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120gcctgcggag ctaacagacc agcttatata gggcctgtgt gtgaagtggg agagtccgga
180gttttctctg aatttcaatg agggagaagg aaggtagcat taaaggctat taaccaataa
240gacaccaaga ttcaatttat gttttagatc attctggaag tgctatgtag agcaagttag
300aggagagcca gactagcagc agagacttcc cagcagagtt gggaaagtgc tacagtaatc
360ttggtgagaa atggt

375

<210> 3155<211> 410<212> DNA<213> Homo sapien

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120aaaaatttta ttaaaatcca aatttttttg gtgaagcccc aggcagcatg tggggccatg
180accatttat acttaatat tggggagggg aaaggggaat tttcaaggta tatataattt
240atccctgcct atatttagaa atatgccttt acctttaaca aggctaaaat tgctcggtgg
300attatttcac aaaatacgt agggggaggc agtaatacta tgtaagcta ttaatagatg
360ctaaaagtct ccaagcacag ggcataattt atacggctct tttcaaatg

410

<210> 3156<211> 376<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga agggtagggc
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120tccacattcc attagcagct gattagatgg gccacccag actgaggggtg gtctacctcc
180ccagtccact gactcaaag ttaactcctt tggcaacacc ctcatatata caccaggaa
240caatactttg catccttcaa tccaatcaag ttgatactca gtattaacat ttcgaggcta
300caccctagac caaacctacg ccaaaatcca ttactatc atattcatcg gcgtaaatct
360aactttcttc ccacaa

376

<210> 3157<211> 411<212> DNA<213> Homo sapien

gcgttgggag ccagggtgctg tgccggacgt gcttggagca gcggtgcag ggcgaggtgg
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120ccaaccatgc agacatcttg ctcataaact tacagtatgt ttcagaagtg gaaataatta
180atgaccgaac agaaaccct cctcccctag cttactcaa tgtagtaag cttgccagca
240aagcacggac agagaaggag gagaagctga gccaggccta tgcaatcagt gctggtgtct
300ctctagaggg ccagcagctc ttccagacca ttcacaagac cattaagac tgtaaatggc
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411

<210> 3158<211> 384<212> DNA<213> Homo sapien

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120ccgaggagga agaagctaac tattggaaag atctggcgat gacctacaaa cagagggcag
180aaaatacgcga agaggaactc cgagaattcc aggaggggaag ccgagaatat gaagctgaat
240tgagagcgca gctgcaacaa attgaaacca ggaacagaga cctcctgtcc gaaaataacc
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360accggcagat ctcagccttg gagg

384

<210> 3159<211> 439<212> DNA<213> Homo sapien

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120acctattgtt tcagaagtcg gtgacctttg aggacgtggc tgtgtacttc acccaggcgg
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300agggaggaag tgagctgggg ggctcatctc cactggctgc aggaacaggc ctccagggcc
360tccagactgt agatattcag actgacaatg atttgacaaa ggaaatgtat gaaggaaaag
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439

<210> 3160<211> 373<212> DNA<213> Homo sapien

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60tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtg cggctgcgag
120aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg
180acagaagggg actcctgctc agcatggctg ctttagggac tgttctcttc acaggtgtcc
240ggaggctgca ctgcagcgtg gccgcttggg cggggcgcca gtggcgacta cagcaggggac
300tggtgcccac cccctccggc tacgggcccc ttaccgagct ccagactgg gcatatgagg
360atggccgccc tgn

373

<210> 3161<211> 369<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtac ggctgcgagg agacgactga agggtagcggc
60tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtg cggctgcgag
120aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg
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240gggtacgcct gcgagcagac gacagaaggg ggagcctcat ctgcaatgta ggggccggcg
300gacctgctcc agcagctggg gctgcaccag caggagggtc tgccccctcc actgctgctg
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369

<210> 3162<211> 421<212> DNA<213> Homo sapien

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60aacctcggca aaaaattttt ttgaaaaaac ccccttaat tggctactgg gggatttaat
120tcccgggatt tttgggacgc ctttggcttg aaagggggaa aagtttaaat ttatggaacc
180aaacctgggg cctattttga aaatcaggcc cttggggcaa aacagaaaaa atcttttgcc
240ccccaggatc cgggattccc tggggaaaaa aaaatcaggg aaaaaaaccc ccccttcag
300ggaaggtctt tgtacaaaag ggaaaggttt aaaaaaaagg gcgggggaaa aaaaaacgga
360ggaggggacga ggtttcagga aaatgccagg gaagggaagg cccctggaaa aaacctttt
420a

421

<210> 3163<211> 398<212> DNA<213> Homo sapien

ggagaaaggt gggcatagta caacccccag gactgtgcct tcccaggac accctcatcc
60ccccagtcga ggatatcttg ctgactgggt cacccttctt cacaggacac acacacaggg
120ccatgaaaac ggccttcttc aaagatccca cggctcgggc ctcccttcg gggccacctt
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240aggaacccca aggtcagggc accgtctacc ctggctcagc tcgtcacca ccgtctgaag
300cccccttctc caccaaaggt tcggagctgg cggngggctg aggtgttcac gaacagtccc
360agcccctggg gctgcatgtc cagttctgtg cggcata

398

<210> 3164<211> 396<212> DNA<213> Homo sapien

gaccactgct gccattcatg tgcaccatac tataactgc aggattcccc tgggtggcaa
60actgctgctg ggaaaaggag ctgtaagtaa acaaatggta atattacctc tggagtcac
120tttagcgaca aaggcatgc ccacagaaat tactacaatt gtgtcaaaca ttgctatact
180taagctggga atgttagaga aaactccctg acagcctgtg atccattttt cacagctttc
240tgtactagac accctaatag atatgtgcgt gcttgaagga ctctcaaaat ggacaagcca
300aatcacacct tctaataatga acccagtcct tcaacctct ccatccaaaa aggcttgact

360gaaaaatata ttaagttctt ggacttctgg gactag

396

<210> 3165<211> 408<212> DNA<213> Homo sapien

ggcacgaggt gatccaccac ctccggcctcc caaagtgtt agatgacagg cacgagccac
60caggccccagc ctgagtggta ttttcttttag ggaccaggta gactttaaaa cgagggttaag
120agaaaagcca gtgtctttct gaggtaaata atttctgccca ggaaacttcc cagccccacc
180agcagccacc ctaaaaaaaa tctctcgtgt cccagggac ttctaaagct tggggctcca
240ggaaatcatc cagtagagtt ggagattcag agatttcttg aagccagggga catgctccta
300actcctttcc cattaaaggt gttagaatag accagagggg gtcccttttc cacagtaatg
360ggatcggtg gtgtgccttc agggaggaag agggaggtgg tcaagctt

408

<210> 3166<211> 457<212> DNA<213> Homo sapien

tgtaggatcc catcgactcg aattccgttg ctgtcgacct gcttctgggt cggtgttttg
60tacgtagcac agcaactccc tcgtcgcgat ctattgaaag tcagccctcg acacaagggg
120ttgtccgaca gcaacggtgg aataatatat accatgctta cgctagtcaa gagaaagcta
180agtagaaaat actaatatca ggcaaaagcat atttcagagt taaacacaac atttttccac
240tatttgcagt caaaagtatc gagaacactc tctttactct gctcaaagtt acagagttct
300tttgataaaa cattagaaca cttatcacag cctgccataa atggagaata attccatgtt
360gtatactata caacactctt actaaagtcc attagacaga aatatgtagc atttgagaca
420cctttccaatt ataaaactct atgcagacaa aaattaa

457

<210> 3167<211> 397<212> DNA<213> Homo sapien

gctgctcttg acctctgctc tgcggctgtt ttccattgga gtagaggctc ctccctgctc
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120aggttagcaac gctgtggact ggtgatgaca ggctcttcag ctccctgcaa gtgaccgggc
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240agccccgtgt gttcaagctg gttctccttg gaagtggctc cgtgggtaag tccagcttgg
300ctcttcggta cgtgaagaac gacttcaaga gtatcctgcc tacggtgggc tgtgcgttct
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397

<210> 3168<211> 334<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtgg gcttgacatg atatttatta tggtatgata
60tattcctttt atacttaatt tgttgagagt tgctttttaa ttatgaaagg ttatgaactt
120gttttattat tagttttgtc aaaggctctt tctacatcta ttcaactgat catatgattt
180tatctttcat tttgttaatg tgctatatca tttttataaa ttgcatatg ttgaaacagt
240cttgcatatc agagataaat ccaatttgat catggngtat gatcctttta atgtgctgtt
300aaattcagct tgataatatt ttgttaacaa ttgt

334

<210> 3169<211> 387<212> DNA<213> Homo sapien

ggcacgaggc gccgtctccc aggagcagct gcgcaaactg caggaacggg tggaaacgctg
60tgccaaggag gccgagaaga caaaagctca gtatgagcag acgctggcag agctgcatcg
120ctacactcca cgctacatgg aggacatgga acaggccttt gagacctgcc aggcccgga
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240ttccagcagt gagaagtcc atgaactcca ccgtgacttg caccagggca ttgaggcagc
300cagtgcagaa aaggatctgc gctggtggcg cagcaccac gggccaggca tggccatgaa
360ctggccacag ttcgaggagt ggtcctn

387

<210> 3170<211> 408<212> DNA<213> Homo sapien

ggcacgaggt ttgcttagct gtcaacaaaa agaaaacctg aaggagcatt tggaaagtaa
60tttgaggggt ttttttttgt tttttttt tgggagggg gaacggcccc caaaaggggg
120gggggggcaa aatttttaag aaaaaagaac ctcccggtt ttttttttaa gcccaacagg
180ggctgggttt ttccaccgg cggttttaatt tttaaaaaaa tttaaaaaaa caaaacaaag
240gggggttttt ctaatttggg gaggaacccc cccttggctc aaaagaaaaa ggcgttaaaa
300aagaattcca aaaggaaaaa cttggggggg gcccaacggg ccccggtgcc aataaacttt
360tttctgggga acgggagggg gagaacctcc ccccccttcc caaggcgc

408

<210> 3171<211> 405<212> DNA<213> Homo sapien

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60tcacccagac tggagtacaa tgacacaatc atagctcact gcagccttta actactgggc
120tcaagacatc ctctgtcttc agcctccaga gagtgggac cataggtgca caccaccaca
180cctagctaatt ttttggggga ggtcttgcta tgttgcccag gctggtcttg aactcctggg
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300caccctgccc cagtacaatc ttttttgaac tcaaattttt gctgacatct gagtgcacac
360accacagtgt aaattatgcc ttatcagaat ctaaatgaaa atagg

405

<210> 3172<211> 400<212> DNA<213> Homo sapien

cgttgctgtc gacgacctgc ttctgggtct gggtttcgta cgtagcagag cagctccctc
60gtgcgatct attgaaagac agcctcgcac acaagggttt ggacactttt aagaacaaaa
120gatagttttc tgaacattct gtgtcctgcc tgtctcctgt tgattcgcag atgtaatatc
180gagtattcat caactggtct caatttcctg aacacattca ctgtatccct cattgtaacc
240gttatccccc tgcttcaaaa tgtgccagtt ccacttggtg ataacgttgg gaaaatgcag
300gtttatgaat gatgtggact tttagaggat caaatcaata aattggattt tttatttttt
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400

<210> 3173<211> 478<212> DNA<213> Homo sapien

gcaggaatcc ccacgannt tcgaattccg ggcgctcgtc gagtccatta tatacantgt
60gacgtgccag cgtgatcata acctatgagt agcagacatt ggatagcagt attcttttcg
120tactaggggtg tggacataac ccgcaactcta gtaatgcgat cgccttataa ctgctcctat
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240agcaaacatt tctagggttag acaaccaacg aattgaatta caattttatg ttgaagaggc
300attattaaca tgtgtagagg ggttaagaaa gccaccttgt tacaaaattt ttaatttcca
360aaataatcta tattaaatga gggtttctga tctgtacttt gtgttttagct acctttttat
420atttaaaaaa ttaaaaatga aaattacgtt. cttacaagct taaagcttga tttgatct

478

<210> 3174<211> 412<212> DNA<213> Homo sapien

atcgattcga attccgttgc tgtcggctga ttctcttcgc ctatcggtga ctgggctttc
60cctatgttgc ccagggtgct ctcagactcc tgggctcaaa agatcctcat cttctcaagt
120ggctgaatat acacgctcca gcgaccatgc ctggctgaat gaagagcttt gagattttga
180agaaacagga accatgaaat ttgctttgca actgtttgca acctttaagg aagactgaaa
240aggcattcct gaagcatgtg ccttcagccg ctacaagagc agaagcagtg ggcattggat
300ggagctgagt acaggaccat acaggctaatt tgcaccggca caggaatcgg atataacatt
360atctgggtac ccattggccag ctgtgacttc tccatccgca cctacaccta tg

412

<210> 3175<211> 171<212> DNA<213> Homo sapien

taacgcatga ngcatacaca cgggctgttg actgggtggg gctgggtgtg ctgctctacg
60agatgctggg ggggtgagtgc cgttcccag gggacacaga ggaagaggtg tttgactgca
120tcgcaacatg gacgccccct accccggctt tctgtcgggt caagggcttg a

171

<210> 3176<211> 384<212> DNA<213> Homo sapien

ggcacgagct attgagtgtc attcagaata ggaacaagg tctaatagaa aaagatggca
60atttgaagta gctataaaat tagactaatc tacattgctt ttctcctgca gagtctaata
120cctttttatgc tttgataatt agcagtttgt ctacttggtc actaggaatg aaactacatg
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240ttgaaaaatg cttttcgcga tcttctgtct gggattacag gcatgagcca ctgtgcctga
300cctcccatat gtaaaagtgt ctaaagggtt ttttttggtt ataaaaggaa aatttttgc
360taagttttaa ggataggtaa aatt

384

<210> 3177<211> 393<212> DNA<213> Homo sapien

cgttgctgtc ggcaagatgc tgctattgaa gaggtagaga tggaagattt tgatgcaaat
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120attccgaaaa gcaaatggga gatggacaca tctgaggcaa agctagacaa gttggatggc
180ttgaggactg gtactaaaag gaaacgtgac tgggaggcca ttgccagcag aatggaggat

240tatcttcagc tccccgatga ttatgatact cgtgcttctg agcctgggaa gaagaggggtc
300agatgggcag acctggaaga gaagaaggat gcagatagga aaagggccat aggttttgtg
360gtcggacaga ctgattgtga gaagatcaca gat

393

<210> 3178<211> 389<212> DNA<213> Homo sapien

cgttgctgtc gggttgagaa ttccaggctt ctgcagcctc caaaagggtg tcttctctat
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120cgatttatta accttcagcc ttcgacactg accgataagt ggtatggaga atctcagaaa
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240gaaatagact ctttctacg aaaccgttca agttctgacc atgaagctac agccatgatg
300aaagctcagt ttatgagtct ctgggatgga ttggatactg atcacagctg ccaggtcata
360gtaatgggag ctaccaatcg tctcagga

389

<210> 3179<211> 426<212> DNA<213> Homo sapien

ggcacgaggg cggagggtgc agtgagccga gatcatgccca ttgactcca gcctgggtga
60cagagtgaga ctctgtctca aaaaaaaaaa aaaaaaaaaag ggggttccca tattttgggg
120ggtataggaa tatatggggg ggggtctatt tcttttttta tataaccttc cccccgggat
180ttttggggtt aaaagtccg gttaccccca aaccaaaatg ggttttttac ctttgaggtt
240tttttttttg tccccctttt tcttttccaa gggggaaagc ccccaatac cagggtcttt
300aggagggggg gtttagccaa acccacccca gggcaaattt ttggggggaa acctgaaagg
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420tttaaa

426

<210> 3180<211> 383<212> DNA<213> Homo sapien

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120gctgcgggac aaagtggcct tcatcacagg aggcggctct gggattgggt tccggattgc
180tgagattttc atgcggtgag actgctctgt gtcccttccc tgctcctcgc ttctccctgc
240ccgggcccctg ctggatgccc gacccttgga aagatgttgg tgggaggtag atgtcccctg
300ctcacctacc cgacaggatc caggtgctg ccagagggac tggggagcgg tcgaggattg
360ccctggggga gtcaggactt caa

383

<210> 3181<211> 372<212> DNA<213> Homo sapien

cgttgctgtc ggagatttgc ttattattgt tgtactgctg ccatttttat tgggttttga
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120ttttgcatat taaaaattc agtattaatt aaacattact tattctaccc tcttttttgg
180caaggaggac aaatacgcga tggtggaaaa ccttggtatg atatcttctc tttaaaaaaa
240tgtaaagata atttggtctt gagggtttaa acggttgata atgcctctac aacaacaaga
300aaaaagataa aatactagga tagaatcatg gtgggcacag tggcttctca ngaggctgag
360gaggggaggt tg

372

<210> 3182<211> 372<212> DNA<213> Homo sapien

ggcacgagat taacctcaga aatcctgtct ggctggcaga ttcaagtaa aaaaaaaaaa
60aggggggggtg ggggggaccc ttttttttct agtggccttt agggaaaaaa aatttaactt
120tttttttgggt tgggcccata tttttaagaa aaaatctcca attggtttcc cttttgaacc
180gggtaaaggc taatacttgc cacttttaaa ggagggggggg aaaacccccg ggtttttttt
240ttaaaggaaa ccccttgttg gggggcgcc cccttaaggg gggggggggg gtttttttct
300tggccccttt tgggatatc aggggtactt ttgcaaacct tccggggggg tttaatggga
360aaccactacc cg

372

<210> 3183<211> 389<212> DNA<213> Homo sapien

ggcacgaggg aggatgtcct caacaccag tgtggctacc acgttcggct caaactggag
60ctggagcagc agggcttcat ccacacaaa ggctgcgtgg gccaaactga gaagaggctg
120caggacaacc tgaatgtggt ggcgggagtc ttcatgggca tcgccctcct ccagatcttt
180ggcatctgcc tggcccagaa ccttgggagt gacatcaagg cagtgaagc caactggagc
240aaatggaatg atgactatga aaaccactgt gttacgccca ccatttgcga ggtcctgtcc

300acgggtggggc ctcaacagaa ctctctgact ggggcccctg gcccggaacc acccagacga
360catgttttct ttggcctggg tggatatag
389

<210> 3184<211> 451<212> DNA<213> Homo sapien

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120gagtttcaaa acaagatgcc caggaactct ttaaaaatta taccatcttt gagaagaagt
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240aagaagtgaa ggcgaatcca cacaattatg atgcatggtt tgattacttg cgcttggtag
300aaagtgcgc agaagctgaa gccgtgagag aagtctatga aaggggccatt gccaatgtcc
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451

<210> 3185<211> 409<212> DNA<213> Homo sapien

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120ccaaatcaca tcccaatgat caactccatg gtgcaggagt ttttttggcc tggcattgac
180ctgtctgagt gtctgcagta cccagacttc agtgatggtg ctctttataa aaaagtcac
240attgcctttg gcttcatggc tcctgatgtg aaatacaatg aagcttacat ttcatttttg
300ttcgtccacc ctgaatggag aagagcaggg attgcaactt tcatgatcta tcatctgatt
360cagacctgca tgggcaagga cgtaaccctt cacgtatgac caagcaacg
409

<210> 3186<211> 396<212> DNA<213> Homo sapien

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60tggagccaga aggaaggagg tgcattgttg ggtgcaggac aggagggaaa aatactcgaa
120ttgcaaggtg agggcacagt ctgtttatat tgggttgaat taactcttct cccgatgcca
180ctaaagcagg aatcacactg cagatggcac tgatttgatt ggcaagagac atgccaggaa
240gaatattaag ggaccaggcc cctataatta ggctaataca tagcctgttg tttgaaaagg
300gcatgaggga cattcatccg gcctggcact gtgccctaga cctgctctcc tgggtagtgg
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396

<210> 3187<211> 412<212> DNA<213> Homo sapien

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60tttttaaaac tcctggctaa aaccccccca ctttaaccc caaaaaaat taattacaac
120cggggcccct tggcccaaaa atggccttaa cccctaaaaa tggaaaattt ttgtcctaaa
180gaaccccccc cccgggaaaa aacggggggc cttttttttt gcaaaagggg tttaatccgg
240accacttgt tttttgcaag gccggcttgc gtttgcccat tggggaattg gggggaaatt
300gcccttgtct tgtttggaag ggggggggtt atttccttgg gaaataaagg gtggtttctt
360tttttataaa aaaaacttgt tggaaaacaa acctttttat attaaacttg an
412

<210> 3188<211> 404<212> DNA<213> Homo sapien

ggcacgagga gagagagcgc gagagagagc gcgtgaggca gagagagaga gagagcgaga
60tggagagaga gagcccgaga gactgtgaga gagccagaga gtttgagcgt gcgcgagcga
120gagagagaga gagagagatg gagcgatgga ctgtgacagc ctacaggagg aaaagcacgg
180cttacagaag gatgtttcct tcttgaggaa gcagcactat tagcactctg agtcaagatg
240agtgggaaac catctcaata aacacatttt ggataaaaaa aaaaaaaaaa aaaaccggct
300ctcggccctt taaaactatg gggggccctt ttccttttat ccgggggggg ggaaaccttt
360gttgggttgg cccaccccct ttttaatggc cgggaaaaat agtt
404

<210> 3189<211> 334<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggac cagcaaaaga aggaggagct gctgaatgcc
60atggtggcaa aactggggaa ccgggaggac ccactcccc aggactcctt tgaaggcgtg
120gacgaggacg agtgggacta gcctgcgccc ccgtcacctc cactcacct gtgctgccac
180ttcctagtgc acacctcacg gctcactctc aagctggaag atacctctct ggcctcggca
240catgtcacc ctgactcct gccttcccg gggcacttcc acatcctctg ggcctctggc
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334

<210> 3190<211> 393<212> DNA<213> Homo sapien

ggcacgagaa aaagcagagt ctgctctact ggccatcatg cgtaaagggg tgctgaagga
60cccagagatt gccgatctat tctacaaaga tgatcctgag gaacttttta ttggtttgca
120tgaaattgga catggaagtt ttggagcagt ttattttgct acaaagctc acaccaatga
180ggtggtggca attaagaaga tgcctatag tgggaagcag acccatgagt tggatgga
240atattgctta ggctcagcct ctgatttatt agaagttcat aaaaaaccac ttcaggaagt
300ggagatcgct gccattactc atggagcctt gcatggacta gcctacctac attctcatgc
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393

<210> 3191<211> 385<212> DNA<213> Homo sapien

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120tattaatcca ttaatcagtg aatcaaatta tgattacaat tatcaaatga atgctcagca
180ttaattgaaa actgttttgt gaaacatgtc taccagaaa agtagcattc tataaatact
240attaaacaac ttagctatat ttttttaag tattaataa tatgtcaagc agctaaagt
300aatttcagag taaaagtaag gcatgtttct gagcaacatt gataatttct taatttgcaa
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385

<210> 3192<211> 397<212> DNA<213> Homo sapien

cgcgggcctc actgctatgg gccgcaacaa gaagaagaag cgagatggtg acgaccggcg
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120caagcggaag gtcgagcgaa agaaggcagc cattgaggag attaagcagc ggctgaaaga
180ggagcagagg aagcttcggg aggagcgcca ccaggaatac ttgaagatgc tggcagagag
240agaagaggct ctggaggagg cagatgagct ggaccggtg gtgacagcaa agacggagtc
300ggtgcagtat gaccacccca accacacagt caccgtgacc accatcagtg acctggacct
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397

<210> 3193<211> 395<212> DNA<213> Homo sapien

ggcacgagac cgagctcaca ctgcagagat tcctcacttg agcttgcaat gagggacagc
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120tgcatgttgg gcacgcgcaa aaccattcat tagtgtttct tttctctcga ccacatgaaa
180cgatgcacac agaacataag ccgtatgaat gtaacgttta tgggaaaaca ttcagtttgc
240ccagtttatt tcatagacat gaaaggactc aactggagg aaaaacctat gaatcgggc
300agtgtggcag atccttcaac tgttggagct gctttcgata tcatggtggg actcacactg
360gagagaaacc ctatgaatgc aagcaatgtg gaaan

395

<210> 3194<211> 352<212> DNA<213> Homo sapien

tactgctgcg agaagacgac agaagggtag ggctgcgata agacgacaga aggggcggtt
60ctatgctcac agtgtaaaca aaacagggaa gcttgaactt ggtagagccc actgcagctc
120agcaaggcct actgectcta tagattccac ctctgggggc aaggcatatc tgaacaaaag
180gtagcagaca gcttctccag acttaaatgt cctgcctga aagctctgaa gagagcagt
240gttctcccag cacagagttc aagctccaag agtggacaga ctgctcctc aaatgggtcg
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352

<210> 3195<211> 394<212> DNA<213> Homo sapien

ggcacgaggg aggatgtcct caacacccat tgtggctacg acgtccggct caaactggag
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120caggacaacc tgattgtggt ggcgggagtc ttcattggga tcgccctcct ccagatcttt
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240atattggaatg atgactttga aaaccactgg ctacgccc ccatctccga ggtcctgtcc
300acggcggggc ctacgaaaa ctctctgact ggggcccctg gcccgcccc acccagccga
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394

<210> 3196<211> 374<212> DNA<213> Homo sapien

ggcacgagga gagagatatt gaacaaaatt ttcgcagcat agcggctcgc tatggaacac

60atgttaggaac tctgaagttg gaatagattc gactgcatta aatgttggcg agagactctc
120tttgatacat taataaaact gcttgcataa gcagttctat ggaagacact ggtgtaatta
180tggccggcgc acttgtaacc gttttaatgg tacatattct tgatcttcca ctttttctt
240tggttctttt ttcctttttt aggaaaaaca aaacaacaca cttcttcctt atgttttctc
300aagattcaag tgaacacatt tacacatatt aattccttaa agaaccctaa acgtttcttc
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374

<210> 3197<211> 401<212> DNA<213> Homo sapien

cgttgctgtc gagaattcgg aagaagccgg gacccaagcc cggatggaag aagaagcttc
60gttgtagag ggaggagctt cccaccatct acaagtgtcc ttaccagggc tgcacggccg
120gttaccgagg cgctgacggc atgaagaagc acatcaagga gcaccacgag gaggtccggg
180agcggccctg ccccccacct ggctgcaaca aggttttcat gatcgaccgc tacctgcagc
240gccacgtgaa gctcatccac acagaggtgc ggaactatat ctgtgacgaa tgtggacaaa
300ccttcaagca gcggaagcac cttctcgtcc accaaatgcg acattcggga gccaaagcctt
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401

<210> 3198<211> 392<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggatt tgaggataga atccgaggca ttgatatcat
60taaattgatg gagcgctacc ttaaggataa gaccgtgatg ataactgtag caatcagccc
120caaatacaaa caggacgtgg aaggcgctga gtcgcanctg gacgaggatg agcatggctt
180acatactaag tacattcatc gaatgatgca gattgagttc ataaaaaag gaagcatgaa
240tttcagattc atccctgtgc tcttcccaaa tgctaagaag gagcatgtgc ccacctggct
300tcagaacact catgtctaca gctggcccaa gaataaaaaa aacatcctgc tgcggctgct
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392

<210> 3199<211> 134<212> DNA<213> Homo sapien

nnnnnnnnnn cctnnccacc caccctgaa aaagcacanc aaaaccacac gctgctggcg
60gagctgcggc tgctgaggca aaggaaggat gaactggagc agaggatgtc gggcctgcaa
120aagagcagyc gggc

134

<210> 3200<211> 393<212> DNA<213> Homo sapien

ggcacgagcc ggaacacgct gtcctcgcgc ttccttcggg tggacatcga cgaatttgac
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180gccttgccga actctcccgt caacaccaag aatcaagctg tgaaggagcg agcccagggc
240gtgggtgctga aagtgtcac aaacttcaag agcagtgaga ttgagcaggc tgtgcagtca
300ctggacagaa acggcggtga cttgttaatg aagtacattt ataaaggctt tgagaagccc
360acagaaaata gcagcgagc gttactccag tgg

393

<210> 3201<211> 452<212> DNA<213> Homo sapien

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60tccatatact aacatcccc aggtcctctc aagtacttct gctgaaacaa atttatttgg
120ctaggcacta agttgttttc cagtgaatag taactaaaga agcccctacc ttgctccatg
180gattaattcc ttctgttcat tttccaaactg cactaattgt gcatattact ctgcctaate
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420atntcatttt caagcagact tgatgtgact tt

452

<210> 3202<211> 403<212> DNA<213> Homo sapien

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60gaagtgaaga atgcaccaga gtggatcaca agatggaatt tagccaaccc tagccttggc
120tggttaaaatt tttttttttt ttttaaaaat aactgcccgg gtactgactt tgctggcttg
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360gtccagcttt tctgctcaaa cgagatctcc agaatatggg ctg

403

<210> 3203<211> 404<212> DNA<213> Homo sapien

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60gggtgcttgcg tgtcttctgt gtgcgtgaat tatgaatctt ttgaagttgg cgccggacag
120gattctggtg cttacaactc attagattct gaccacaga tattctttgc cttgggggtct
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240cctacctgta aagggttctt cactatttat catccgcttg atccagtggc atatagatta
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360agaaaaagac ttcatttaga attgaaagag agtctctctc gtat

404

<210> 3204<211> 378<212> DNA<213> Homo sapien

cgttgctgtc gcattgatga tcattgctga gatccacact ataattaggg gcggcagaac
60agggtgtttt ctaattctgc tatccctttg gcattgtta gttggaattc ttctataaaa
120acataggccg ggtacagtgg ctcacgcttg taatcctagc acttctggag gccaaaggcag
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240actaaaagta caaaaattag ccaggcatgg tggcacacgc ctgtagtccc agctaccag
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378

<210> 3205<211> 419<212> DNA<213> Homo sapien

ggcacgaggt ttaaggagaa gcctgaggcc ccgactgagc agctggatgt cgcgtgcccc
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300gcaaacatcaa caatgcattt ggcccaggaa ctgctaacga acgtacagtg cagtgggtgt
360tcaagaagtt ttgcaaagga gatgagagcc ttgaagatga ggagcgtagt ggccggcca

419

<210> 3206<211> 409<212> DNA<213> Homo sapien

ggcacgagag atggagagag cgttccagac agctctgtgg ttgctgcagc cggaagtcgt
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120tgatgtggag cgttttcaga aaatgttcag acaccaagt catgtacagc tgaaggtagt
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300caacagcgtg gcgctgaacg gggatggctg tggcatctgc tctgaaacag aagcagagct
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409

<210> 3207<211> 390<212> DNA<213> Homo sapien

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120aattgcccac gaggccccgg gaccggctcc gtgtgattga tgctgccaaa catgcccata
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240gacagtacag gaagaaatgt gcaacgtgtg gactgccgct cttctaccaa tcccagccaa
300agaatgtctc tgttaccttc attgaggatg gagcagtaat caagtttggc cacggttttg
360ggaaaacgaa catatatact cagaaacaaa

390

<210> 3208<211> 350<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggagac aaaaagaaga aagataagaa gaaaaagaaa
60ggagaaaagg aagaaaaaga gaaagagaag aaaaagagg acctagcaa gccactgtta
120aagctatgca agaagctctg gctaagctta aagaggaaga agaaagacag aagagagaag
180aggaagaacg tataaaacgg cttgaagaa tagaagccaa gcgtaaaaga gaggaacgat
240tggaacaaga aaaaaagaga aaggaaaagg cccaaggaaa aagaaagaaa agaacgcttg
300aaaaaaagaa gggaaacttt taactaaatc ccagagagaa gccagagcca

350

<210> 3209<211> 341<212> DNA<213> Homo sapien

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120gcaacaaagc tgacaatcaa gaaaaagcaa tacttaatat tcaagccaga tgtgatgcta
180gagtacaaaa ccttcaagct gagtgcagaa agcacctct tttactagaa gaagacaata
240aaatgttggc caatgaactg aatcattcga aagaaaaaga atgccaatat gaaaaagaga
300aagcagaaag agaagtagct gtgagacagc ttcaacaaaa n

341

<210> 3210<211> 380<212> DNA<213> Homo sapien

ggcacgaggg aaggattaga agatattgac gaagaagggg atgaggatga aggtgaagaa
60gatgaagatg atgatgaagg ggaggaagga gaggaggatg aaggagaaga tgactaaata
120gaacactgat ggattccaac cttccttttt ttaaattttc tccagtcctt gggagcaagt
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240gctttttttt ttaaccccg ggtccacaat gattgggggg gaaaaccctt gggccaaata
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380

<210> 3211<211> 406<212> DNA<213> Homo sapien

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120tgtctgccta gtttattgtc cagttaactt tagtgacctt taaaagtgtg gcattgtaaa
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240gggcgttttc ttaaaactcca accttaaaaa aaccttttga ggggttgggc caccaccaat
300ttaaaggggg ggaaaaaatg ggtttttttg ggaaaattgg ggggcttttg gttttttttg
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406

<210> 3212<211> 391<212> DNA<213> Homo sapien

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120ccagcccagg atttgtgagg gagcagttct gcgactacat gtttcaacaa gcagtgaaga
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300acactaaagc tgctggggaa gtcaaagcct tggatgactt ctataaaatg ttacagcaty
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391

<210> 3213<211> 388<212> DNA<213> Homo sapien

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120tgtctcacat tcctggttct tcaaagaac tttttttata acttggctctg tttatttcta
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388

<210> 3214<211> 340<212> DNA<213> Homo sapien

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120gctggatctc tgctctgggt gtgccgaagg gcaacacagc agtatacgcg ctcatgctgc
180tgccgcctt gctcttctact ggcattgctg tgctaggaat tgtcatgctg aaacgggtga
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340

<210> 3215<211> 369<212> DNA<213> Homo sapien

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120attaactgtg aacagcagat taatttataa ccaattgatg ttgccactga tgaaataaaa
180gataaaactg cagagctgca aaagctttgc tccttactg acgtggacat gattcagctc

240caactttaa at tgcagggctg tgtttctgtg caggtcaatg ctgggccatt agcatatgca
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369

<210> 3216<211> 384<212> DNA<213> Homo sapien

cgttgctgtc ggataaagat acaccatgct gacactaacc aagtgaaggt gggagtagct
60acattaattt cagactgaac agacttcaca gcaagaaaag ttattagggg tcaagaaga
120gtattacaca atgataaaga ggtcagttct ccaaaaaaac atgtctttaa tgtgtatatt
180cttaacaata agcatcaaaa tatctgagga aaaaactgat acaactgcaa ggagaaatag
240atgaatccac tatttatagt tgaagtcttc agcactccta tcagtaatgg acagatgtag
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384

<210> 3217<211> 387<212> DNA<213> Homo sapien

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120gacctagcag tccccatct ctactccttc caggaagcca ggccacaac tcatcctggg
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240ggttctgatt tcctcttaca gataggctca ccttatcttc caaggctcac cttatcttcc
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387

<210> 3218<211> 383<212> DNA<213> Homo sapien

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120gttccggaga agcaaaaact gttccaggta ctgaagtatt ttataggaga tgttacttgg
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240atatgacaat ataaacatta caaaaaaggt caaggacatg taccatagtg ctaatagttg
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383

<210> 3219<211> 412<212> DNA<213> Homo sapien

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120tggtgttggg ggctgctggg ttgcttatac gcagaataag acatcaaaag aacatgttgc
180aaaaatgatg aaagatttag agagcttaca aactgcagag caaagtctaa tggacttaca
240agagaggctt gaaaaggcac aggaagaaaa cagaaatgtt gctgtagaaa agcaaaattt
300agagcgcaaa atgatggatg aaatcaatta tgcaaggag gaggcttgtc ggctgagaga
360gctaaggag ggagctgaat gtgaattgag tagacgtcag tatgcagaac ag

412

<210> 3220<211> 133<212> DNA<213> Homo sapien

antnnnnnnn cntgctgngg tggcggtcac tccctctgcc actatcccca gggaaggaaa
60ggctccgcca tttgggaaag tggtttctac gtcactggac accggttctg agcaatagtt
120agagaactcg ttc

133

<210> 3221<211> 170<212> DNA<213> Homo sapien

tgctcacgggg actgatcagg aagatatatt cctgcataac tcaatctgaa ccaaggattg
60tagtttagtt ttctctcttg ccttcccttc tgtgtgaccg accccttggc caaaaaaac
120caaaaggcaa aaaacaaaag cctaccctgt tctgggtttt ttctctctt

170

<210> 3222<211> 417<212> DNA<213> Homo sapien

ctcggcacga gggacagtgg aggtgttat cttttgttga aagcactgca tgtaagagg
60gggcacagcc ctctcccaa gggaaagtgt ctttgcataa aatgtatttt ttacttttg
120gaggattctt tttgtataac ttcaataaag attgtaagca aagggtgagg ctttgatgg
180ttttttctta attattggct gaatctgcct tggagcactg cctgggtttt atattaacc
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300aacgcggagg tgatcaagtg tgggtgtagg ccccttgttt ccaatgggtgc tatattctgg
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417

<210> 3223<211> 396<212> DNA<213> Homo sapien

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60ttcctaggtg ggggccataa gaccagataa gccagtttac cagtctgggt gtctccagca
120ggctcttcag tatgcagggt ctgaaaaata cctcaaacac caatcttagg ttttacaata
180gtaatgttat ctgtaggagc aagtggggga ggtagtgat attgtggcct ctggctacat
240gacttctgag ccataatttc taatctagtg gctaatttgt tggttttaca aacgcagtct
300ggttcccaag caaggaggga gtttgtttca gggagagtct attaccgtct ttgtttggtt
360ttttgcgttg ctttggtttt tgagccaagg tctcgc
396

<210> 3224<211> 407<212> DNA<213> Homo sapien

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60aaccaggtt ggcactgca acaggaactt ggagtggaga ggaaaagcat cagaaaagag
120agaccatcc accaggcctt tgagaaaggg tagaattctg gctggtagag caggtgagat
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240tgaggaagaa tgggtgtggga gagggatgat gaagagagag agggcctgct ggagagcata
300gggtctggaa caccaggctg aggtcctgat cagcttcaag gagtatgcag ggagctgggc
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407

<210> 3225<211> 382<212> DNA<213> Homo sapien

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120aggaaggtgc aggagctcca gtctctaggc tttgggcctg aggaggggtc tctccaggca
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360cgggcagagc tggcactgtc ag
382

<210> 3226<211> 427<212> DNA<213> Homo sapien

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120gtgctctgtg gcatattatg ctgggaaaga tgttgacaag ataagggaat ttcttcaaaa
180gatttcaaaa gaacaaggcc ttgaagtct accagaacat gatccaatac gtgaccaaaag
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300tactcttatt cagttccttg gtgatgctat tgttttgcca gcgggagcac ttcacaggt
360tcagaatttt cacagctgta ttcaggtaac tgaagatttt gtgtctccag aacatcttgt
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427

<210> 3227<211> 398<212> DNA<213> Homo sapien

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120aggagaccag tccccgtcc tcaccctcac tccgtgagga aatccaccta tgaccttggg
180tctcagacc aaccagccca aggaacatct caccgatttt aaatcagatc tacttggcct
240agctgctgaa gactgatgct gactgatccc ctgagaagcc ccagaccat cacggacacc
300aagctttggg taactcttac agtgaggagg aggcaggaat gtcaggcctc tgagcacagc
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398

<210> 3228<211> 422<212> DNA<213> Homo sapien

cacacatcct ttttgcctac aaatttctta gcttgtgacc attctccacc atctcccccc
60aagttttacc attctctatt tgtgccctac aacggctcca cctttgaaa taacgcctgg
120tctaaatggt acttttctta gtggccttc cttgattatc catcccactg tgattccttt
180tcttgcccat agcctctccg acaagccttg cattctcatt catatgacct tgtttgcaa
240gctacctgtg ctgtctctgt gtgttttaaa ctattttact gagccaccat gccagccaa
300agatcatttt tttatataga cttcagccct ttgtaaatat tgtaactggg gagtatagag

360tacaaaaaaa gtatagttaa aacatttggt ctacaaatta acctttataa atataattac
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422

<210> 3229<211> 413<212> DNA<213> Homo sapien

ggcacgaggc agagtccatc acttcgccag gtggacatgc tgtgggtgga tgttcccgcc
60gtgtgccggg cctgaatgga caggggccac ttcacagcat gtcagggaaa atcactgtca
120cacaattcca atggattttg tgcctttttt tttcaaaaag agcacacaat ccattggaac
180tgagtgtctt ttctgaaaaa taaaaaatct ttagcgtaaa cctgaatttt ttttcaatgt
240atcccctggg gaatgaatga aattttgagc tttttcctta cgtaaaacta aatttatacc
300actgacggag agaccctttt tgaaagaagt atggccaaaa ccactttaat gctgctgaca
360atgctgtctt atgtccattt gtgcagccct gacctgctaa ggagcgaatc ttt

413

<210> 3230<211> 146<212> DNA<213> Homo sapien

gcattctttc tatccaaata aagccttctc ttgacctgat ctattaaaac ctgccacacc
60cgccctttcc tacctagatt taatgagccc aagtttttaa aatggaagaa atgactctgg
120ggcaaagacc cctaatgaac tagggg

146

<210> 3231<211> 380<212> DNA<213> Homo sapien

ggcacgaggc taaacctggg aacattttga atgtgggact aagagaggag ggctagattg
60ctctacaatg ctgcagaagt ttctacctgc ctggctggga ggtaggaggg tctggtttgg
120ggatgtggcc ctgaggagag gaccagtgtt tggcagtggc catgtattga tctcccagtt
180cttcctgtgg caggtccac gtacctcgga gatttatgtc caccgaagtg gtcgaactgc
240tcgagctacc aatgaaggcc tcagtctgat gctcattggg cctgaggatg tgatcaactt
300taagaagatt tacaaaacgc tcaagaaaga tgaggatatc ccactgttcc ccgtgcagac
360aaaatacatg gatgtggtcg

380

<210> 3232<211> 182<212> DNA<213> Homo sapien

agaacaagtg cttatagggt tgccaccatt gtgacagcag ttggcttctc caagggcctc
60tggatggaat gtgccacaca cagcacaggc atcaccagat gtgacatcta tagcaccctt
120ctgggcctgc ccgcttgcat ccaggctgcc caggccatga tggtagacac cagtgaatc
180tn

182

<210> 3233<211> 396<212> DNA<213> Homo sapien

ggcacgaggg ataaggcagc tgctgcatca tcggcactac aagccaaatc atatgagaag
60gcggcggttg caggcaagaa gcctgtgctc gtcccccgcg gactggccag gctacggcgg
120gcggcggaag ggggcgcact cctcgctttt cctcaatgtg tcgggcagcc ccgcctcccc
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240ccggaggttg gctatgtgac caggcaacat gctgagccgg cttcaggaac tgcgcaagga
300ggaggagacg ctgctgcggt tgaaggcagc cctgcacgac cagctgaacc gcctcaaggt
360tgaagaatta gccctccaat caatgatcag ttctan

396

<210> 3234<211> 342<212> DNA<213> Homo sapien

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60aggattgctt gaggtaggac tggaagcttg aggcggcagt aagaagtgat cacactactg
120cactcttgcc tgaatgacag agcaagaccc tgtctaaaaa aaattttttt ttaagttggc
180tggcgtggtg gtcacaccc ataactctat cacttttaga ggtcgaggtg gatgggtcac
240ttgaggtcag gaattcaaga ccagactggg ccgggcgcag tggctcacgc ctgtaactct
300aacacttttg gaggccgagg caggcgaatc acgaggtcag gg

342

<210> 3235<211> 377<212> DNA<213> Homo sapien

ggcacgaggc caccaacacc atttgtcttt ataattggacc tcaaggccta cgaacaggtg
60atgcactacc ccggctacgg atcccccatg cctggcagga tggccatggg cccgggtcacg
120aacaaaatcgg gcctggacgc ctgcgccctg gacgcagata ccttctacta ccacgggggtg
180gactccccgg ccattatgaa ctctctttaa gaatacagc gcttaaggac cggctaatac
240tttcaccccc gatcgaggac aagtgaagaa gcaagagggg gtcgagactt tggggagaca
300gtgctgcaca tacacaaggg ataataaata cataacacc tcaaccgaac accccaata

360cagaagactt attcacc

377

<210> 3236<211> 390<212> DNA<213> Homo sapien

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60cggcgagct tcagggcagc gcgggctgca gcggcgccgg cggtagggc tgtgtagggc
120gaggcctccc ccttctctct cgccatccta ctctccctc ctctcatcc tcccccttcg
180tctctctcgc cttctctctc ctctcaggc tcgaccagc tgtgagcggc aagatggcgg
240cgcccaggcc gccgcctgcc aggctgtcgg gcgtcatggg gccggcgccc atccaagacc
300tgaggccct gcgcgcgctc acggcgctct tcaaagagca gcggaaccga gaaacagcac
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390

<210> 3237<211> 347<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggat agaaaatcag taaagaaaca tgtcacttaa
60tctgcactat agagcaaag catctaacag atatttacag aacatttcat ccaacagctg
120caaaatacac attctttttc tcaacacatg gatcattctc cagggtagac catatattag
180atcacaaaac aagtctaaca acattcaata aattgaaata atatcaagca tcttctctga
240ccacaatgga ataaaactag aatcaataa tgaggaaatt tggaaactat acaaatacat
300ggaaattaaa ctatatgctc ctgaatggcc agtgggtcaa tgaagaa

347

<210> 3238<211> 139<212> DNA<213> Homo sapien

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60tgtgttactt gaccttattt tggaagtttt gaattggcct aggaggaaac ctagaatga
120accaggggta tgcatcac

139

<210> 3239<211> 399<212> DNA<213> Homo sapien

ggcacgagga tctggcacac tcaggctcat tggcaggtac aagaagggga ataaaggggc
60tgtgtgaagg cactgctggg agccattaga acacagatac aagagaagcc aggaggtcta
120tgatgggtgac gattttttaa atcaggaaat aaaagatctt gactctaaaa gaaaaaaaaa
180aagaacgcgt cctagggctg gatggactaa tcagggtgaa tttctaaaat ccacttttg
240cagaccctct tgtcttgaat ctggcttttc acaacatgga gggggagaaa aagaagcttc
300tttctctgaa aagagggggg tttttgtttt tttagaaaac taggaggggg gggagcataa
360tggctcaaca gaagagtttt ttctttttat gttcctgtg

399

<210> 3240<211> 387<212> DNA<213> Homo sapien

gcaagaagcc cctgacccc ttgttccaaa tatactcttt tgtctttctc tttattccca
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180tcactctgtc acccaggctg cagttcactg gtgtgatctc agctcactgc aacctctgcc
240tcccaggttc aagcacttct cgtacctcag actcccgaa agctgggatt acagacaggg
300accaccacac ccagctaatt tttgtatttt ttgtagagac ggggtttcgc caagttgacc
360agcccagttt caaactcctg acctcag

387

<210> 3241<211> 160<212> DNA<213> Homo sapien

ccctctagag gagcctgata tgcatttcca taaacccga tcaacctcac cacctcttgc
60tcagcctata ttccgccatc tcagcatac cctgatgaag gctacaaagt aagcgcaagt
120acccacgtaa agacgttagg ttcagggtga tctatgatg

160

<210> 3242<211> 379<212> DNA<213> Homo sapien

ggcacgagat cagccagccc ctgcagaaca gttcatcca cacagggcat ggcgacagt
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120tggaaccccc cgacctcctg agcgagaact actggtggcg tggccagaac acacggacgc
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379

<210> 3243<211> 462<212> DNA<213> Homo sapien
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120ggcgctgagc gggctggagg ccttctcttt cgactacatc ggcaagtggc ccctttcgct
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240cagaagcgag aactgtgcca cgcgggtggc acctcgtcgc acagaggacc caaggcggct
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360tggagtacag acgccgtgta cagcagccg tcggtcacgg agggccacct gaggtgccgc
420cacgtgtctg gcaggaaagc cctcactcgc taccagatgc tg
462

<210> 3244<211> 392<212> DNA<213> Homo sapien
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120ttatggcaaa cttgggagac aaggcaagtg ttctcacaga tgaaagacac tgatgtacaa
180agataagtaa cttaccaaac atcacagtca accaggattt gaaccagat agtccacttc
240tccaaaaatt tcattttctc accttggttc cgatactcaa aaagacgggg atcagcatga
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360tacaccagga ccttctccac agccatagtt gg
392

<210> 3245<211> 144<212> DNA<213> Homo sapien
atatgcannt cttctccacc taggaccgcc agcagagcgg ggggatctcc ctgccccac
60cccagttccc caaccactc ccttccaaca acaaccagct ccaactgact ctggtcttgg
120aggtgaggct tcccaaccac ggaa
144

<210> 3246<211> 433<212> DNA<213> Homo sapien
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60ctgcatTTTT acataaatga taggggagag gaagcaatca gatactcatt tgtctcaagt
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180gttgactttt ccttttagct tagagatttt ggggtcccaa ttttgtttt catttcacac
240ccatcttctg cacccccacg actcacaaga gtccctcacac ctggcctacg ttcaactctc
300cacggctctt gccagaaggc tgcacgtaca acacacacag aggcgggcat ttccctgacc
360actcctgtgt gccgaggggg aacggtagat ggccaaccc ccagtgggtc gaactttctg
420gccaacata ttg
433

<210> 3247<211> 232<212> DNA<213> Homo sapien
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60ggaaacgtta cttccaactg ggaaactttt tgggggaaat taactggaca cctatctcgg
120aggttttatt tcttgcaacc agtgaagtgc tctcctccc ttccctggat aactcttcag
180tttgactgtc actgttctgg tgtcaactcc agcgtcggca caggcagaag gg
232

<210> 3248<211> 427<212> DNA<213> Homo sapien
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300cagcagattt tgcgccagaa ccggggccgc aaggcctgtg accggcttgg gccaaaacca
360aaagaagaan gctgagggca cgtggtcacc gaggaagatt ccagaaggtc agcacgaata
420cttttgg
427

<210> 3249<211> 401<212> DNA<213> Homo sapien
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60caggtcaggc caagccgaga ggggctcccg tgaaacggcc ccggaagacg aaggcaattc
120agggccagaa actgcggaac tcggccaagg gaaaggtgcc caagtccgca ctggacgagt
180accggaagcg agagtgtcga gaccacctca gagtaaact gaagtttctg accaggacga
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300cctgtgaccg gcctgtggcc aagaccaaga agaagaaggc tgagggcacc gtgttcaccg
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401

<210> 3250<211> 145<212> DNA<213> Homo sapien
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60caaaagactt aaaggtagag cgtattaccc ctcgtatctt gcaacttgct attcgtggag
120atgaagaatt ggattctctc atcag
145

<210> 3251<211> 388<212> DNA<213> Homo sapien
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60cttctctctg tccagcttcc agtacctcat cctggctgca gctgtgtcca agggggcgcc
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240catcactgac accggcttca agctgctgct gctgggtctg gtcacctca acttcgtggg
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388

<210> 3252<211> 380<212> DNA<213> Homo sapien
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60ataataattc cgaacatgga gccaaactaa ctcagcaaca agacattaga aaggacagta
120agacatcaga aagtatatgt gagatcaata ataattcaa acatggagcc aaaaacatgt
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240tttcagtgc gacatctttg acaaatactg cacaataga taagccaatg aagatggaga
300aaggggaaat gtatggaaat tctccaagat ttttaggtgc cacaatttg actatgtatt
360ctaagatctc anactgtcag
380

<210> 3253<211> 154<212> DNA<213> Homo sapien
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60gatggcaca gccatgaagg gtgtcaccaa ggccatgggc accatgaaca gacagctgaa
120ggtgcccaga tccaaaagat catgatggag tttg
154

<210> 3254<211> 460<212> DNA<213> Homo sapien
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120gcgctgagcg gcctggaggc cttctcttct gactacatcg tcaagtggcc ctttctgctc
180atcatcaaca ggtgcgggtc ggctgctcgg gcacctgcca gatcttact caggtttggc
240agaagcgaga actgtgccac gcggtggcca cctcgtccca cagaggaccc aaggcggctc
300tccccagcct tcagtgtccg ggagattcac gggctgtccg ggggccacgg tgcggactgt
360ggagtacaga cgccgtgtcc acgacgccgc cggtcacgga ggcccacctg aggtgccgc
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460

<210> 3255<211> 382<212> DNA<213> Homo sapien
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120acagtagcaa caccgagcca tggagtatgg gacatgcgag ggaaacaatt ccacacagga
180gttgaaatca aaatgtgggc tatcgttgt tttgccacac agaggcagtg cagagaagaa
240atattgaagg gtttcacaga ccagctgcgt aagatttcta aggatgcagg gatgccccatc
300cagggccagc catgcttctg caaatatgca cagggggcag acagcgtaga gccatgttc
360cggcatctca agaacacata tg
382

<210> 3256<211> 431<212> DNA<213> Homo sapien
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60gaattaaagt tctcaagctg tccttcctc ctttaatttc ctggaatttt gctgagcatt
120ttaccttctc attctttgta aatttctcat taaacattct aggaagagag atagctccct
180acctctggag gttgggggta cggggatagg tagggggtct gttgggtttt tgagataag
240tggttatttt tccttgggca ggtgccaaact atggctgtgg agaaggtcct ggtgtacaat

300aatacatcca ttgttcagga tgagattctt gctcaccgtc tggggctcat tcccattcat
360gctgatcccc gtctttttga gtatcggaac caaggtgaga aaatgaaatt ttgggagaag
420tggactatct g

431

<210> 3257<211> 424<212> DNA<213> Homo sapien

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120ttaccttctc attctttgta aatttctcat taaacattct aggaagagag atagctccct
180acctctggag gttgggggta cggggatagg taggggggtct gttgggtttt tgcagataag
240tggttatttt tccttgggca ggtgccaaact atggctgtgg agaaggtcct ggtgtacaat
300aatacatcca ttgttcagga tgagattctt gctcaccgtc tggggctcat tcccattcat
360gctgatcccc gtctttttga gtatcggaac caaggtgaga aaatgaattt ttgtgagaag
420tggc

424

<210> 3258<211> 399<212> DNA<213> Homo sapien

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60cgtggcgctt atagtagcga cccgggggga gcgcggggcg acgctggctg cagggacccg
120gtgacagcgt gagaggtact aggttttgac aagcttgcac catgcgtgag tataagctag
180tcgttcttgg ctccaggaggc gttggaaagt ctgctttgga gcaatttaca gcaatgaggg
240atttatacat gaaaaatgga caaggatttg cattagttaa tccatcaca gcacagtcca
300catttatcga ttacgagac ctgagagaac agattcttcg agttaaagac actgatgatg
360ttccactgat tcttggctgc aataagtgtg atttgtaag

399

<210> 3259<211> 344<212> DNA<213> Homo sapien

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60gcaaagggtg gaggtgtctt gaggtcactg tgtgtgaggc ctgtgggaag gcaactgacc
120caggaagact cctgctgtgt gatgactgtg acataagtta tcacacctac tgcctagacc
180ctccattgca gacagttccc aaaggaggct ggaagtgcac atgggtgtgt ttggtgcagc
240actgtggagc aacatctgca ggtctaagat gtgaatggca gaacaattac acacagtgcg
300ctccttgtgc aagcttatct tcctgtccag tctgctatcg aan

344

<210> 3260<211> 423<212> DNA<213> Homo sapien

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60catagcttgg catattttga ttacataagg aaggcacagg agccttctaa tatctattcc
120attactatgc taagcgaggt ctaataactg gaaacagttg tatgagctgc agacatgcag
180gactgccgt gtacttttgt ccgcacatat atatctatgt gcctagctct tgttcctgac
240acacatgttt ctatatacac atacacatac atgcatatac caacagattt aatattatat
300tgcatttttc aacgatgcag aatgcagctg caattgtgtt ttaaggagaa gccacatggg
360gatgggtgtc cctgcaacat ggtgccactc ctgggccatg tgcagcctca gtggacactc
420ttg

423

<210> 3261<211> 382<212> DNA<213> Homo sapien

ggcacgaggg agtctctatc cttttctaaa atcgcatttt gtaagaaaag aaagaaaaaa
60aaaaaaagga atgggtcccc ccacctccg gatttaaaaa aaaccctgg aatttttaat
120aaacattttt aaccacggg gattttttt ttaaccgggc ctttgggatt ccaaagttaa
180aaaggtaaaa agaaaaggct aacttttctt ttttttggg gggggggggc cctgccaaaa
240atgtatttac tttggctcag gggctttatt ggagggccct ggccaccctt tggaatggct
300gccacagta aaactttccc agaaaaattt cgtaacgggc ccagccctt tcataacccc
360ggtttttttt gaccttga aa

382

<210> 3262<211> 381<212> DNA<213> Homo sapien

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60aacgcgttga cctcgcggtc aggttgcttc cgcggactac ggatctggct cgctagctct
120ggaaggagac accgggaggg aatgggtgca actcccaagg aggggaccca gggatccgag
180aaagggaagac ttgggactgt ggtacagacc tccatgagcc ggtcccaggt agccctgctg
240ggcctgagtc tgctgctcat gctcctactg tatgtggggc tgccaggccc ccctgagcag

300acttccctgcc tctggggaga .ccccaatgtc acagacctgg ctggactcac ccctggcgac
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381

<210> 3263<211> 336<212> DNA<213> Homo sapien

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60gaagttgatc gagctgtgat attgtttaaa ccaatggtat cagagccaat tcatatacac
120aggaagtctc cacttccaag atctaggaag acggctacaa atgatgttgt atctgaaaat
180gctaattacc tgagaacacc aagaactctt gtggaacaga agcagaatcc tactgtaggg
240tttgaattgt attccatggt gccatctatt tgtcctctag aaactcttca taatgcccta
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336

<210> 3264<211> 455<212> DNA<213> Homo sapien

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120caggcaccgg gagatccgta gctcagacgc caggacatcc cggaagctgg gaaatggtga
180atgtgccagg gactgttgac attcagggat gtggccatag aattctctcg gggggagtgg
240gaacacctgg actcacatca aaagctttta tatggggatg tgatgttaga gaactacgga
300aacctggtct ctctgggtct cgctgtctct aagccggacc tgatcacctt tttggagcaa
360aggaagagc cctggaatgt gaagagtgc gagacagtag ccacccagcc agtcctgaa
420gagcaccatt ctgcctaag tttctatgag tttgg

455

<210> 3265<211> 165<212> DNA<213> Homo sapien

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60gtgcatatgt tcccgggagg gataagccag acctgccaac ctggaagagg aatttccgct
120ctgcccctcaa ccgcaaagaa gggttgcgt tagcaaagga ccggt

165

<210> 3266<211> 148<212> DNA<213> Homo sapien

aggcacgctt tcagggtttt attatggcag ccactaacag gccagatata attgarccctg
60caatcctgcg cccggggcgc ctggacaaaa cactgtttgt gggtttaccg cccctgcag
120atcgccctgc catcttaaaa actatcan

148

<210> 3267<211> 386<212> DNA<213> Homo sapien

cgttgtctgc gggccaccct gaagacctat ggacgacatc gagactgtcc ttcagctctt
60ccggcttggc aacatcaatg ccaaagccag ccaggcagga cagacggccc tgatgtggc
120cgtcagccac gggcggtgag acgttgtcaa agccctgctg gcctgtgagg cagatgtcaa
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240gatcgcgggg ctgctgctgg ccgtgcccag ctgtgacatc tcactcacag atcgcgatgg
300gagcacagct ctgatggtgg ccttggacgc agggcagagt gagattgcgt ccattgctga
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386

<210> 3268<211> 424<212> DNA<213> Homo sapien

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60ttacagcccc ttaagccatc tccctccagt gacaacctct attcagcctt caccagtgt
120ggtgccattt cagtaccaag ctttctgtct ccagggtcaag gaaccagcag cacaacact
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240aggaagggca cattcacaga tgacttgac aagtgtgtag acaattgggc ccgagatgcc
300atgaatctct caggcaggag aggaagcaaa gggcacatga attatgaggg ccttggaatg
360gcaaggaagt tctctgcacc tgggcaactg tgcattctca tgacctgaa cctgggtggc
420tctg

424

<210> 3269<211> 410<212> DNA<213> Homo sapien

cgttgtctgc gcacagatgc ccgcttacca ggagctggtg gaggaggcga ttgcctatgg
60ccggaagctg ggcgggtcac aagaggacca gattaataat gctattgata aactttttgt
120gttgtttgga gcagaaatac taaagaagat tccgggccga gtatccacag aagtagacgc
180aaggctctcc tttgataaag atcgatggt ggcagagcc aggcggctca tcgagctcta
240caaggaagct gggatcagca aggaccgaat tcttataaag ctgtcatcaa cctgggaagg

300aatcaggct ggaaaggagc tcgaggagca gcacggcatc cactgcaaca tgacgttact
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410

<210> 3270<211> 389<212> DNA<213> Homo sapien

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60ggcctgtgaa acccactggg ggcctggag gagggggcgc acaaacacag cctcagaaga
120gccagctgat taacaccaac acaatcgcta atggcactca gcagcacgca cagagtatga
180ccaccactat taagtatgtg gtagagtaaa ttatgtatta tacacttgcg gggaaccaag
240atatgggata ctttggagtt gactattaat acctatgcct taagttaacc attttgattg
300caaatagagg acagatgact ttgttttatg gccagtatgt atttgcaata caataatata
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389

<210> 3271<211> 374<212> DNA<213> Homo sapien

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120ctgccggatc tggcgctac gaggacgtgg cgggtggagc tcagaccggt gggctaggtt
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300gccttgggccc catgtccac ccctgtcctg cccttctctg ggatagggct ggccttcctc
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374

<210> 3272<211> 381<212> DNA<213> Homo sapien

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120ctgccggatc tggcgctac gaggacgtgg cgggtggagc tcagaccggt gggctaggtt
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240tgtctctgga cctctgactg aactgtgcc tgcccaggtc cctgtatgca ctgccacagt
300gccttgggccc catgtccac ccctgtcctg cccttctctg ggatagggct ggccttcctc
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381

<210> 3273<211> 290<212> DNA<213> Homo sapien

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60tctggggcggc tgtgggggga acaactgtgt gtgtgcttta catccatccc ctgaacctc
120agagctgact atcccagcct cggctaattgt attctacgcc atggatggag cttcacacga
180tttctcctctg cggcagcggc gaaggtcctc tactgtctaca cctggcgtca ccagtggccc
240gtctgcctca ggaactcctc cgagtgaagg aggagggggc tcctttccct

290

<210> 3274<211> 382<212> DNA<213> Homo sapien

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60cacgaatgtt tgcttacttc cgacgcaacg cggccacgtg gaagaatgca gtgcgtcata
120atcttagtct tcacaagtgt tttgtgcgag tagaaaacgt taaaggggca gtatggacag
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240ttaaaaacat gcagagcagc cacgcctact gcacacctc caatgcagct ttacaggctt
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382

<210> 3275<211> 403<212> DNA<213> Homo sapien

ggcacgaggg acaagagaga agagagactg aacaggagg aagaggcagg agagggggag
60gtgtgggagg cttaanctg gaggccgaca ctgaggagg gcgggaggag gtgaagaagg
120agagagggga gaagaggcag gagctggaaa ggagagaggg aggaggagga ggagatgcgt
180gatggagacc tggagttagg tggcttggga gagcttaatg aatagagaac ggagaggagg
240tgtgggttag gaaccaagag gtagccctgg tggcagcaga aggctgagag gagtaggaa
300atcaggagct agaggagagc tggatggttc cgggaaatga gcagaggaaa gaggaaagac
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403

<210> 3276<211> 405<212> DNA<213> Homo sapien

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120ctccacacgc accgagccat gaggagctgc gcctctgaga gcctcttctt gccctactac
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300acaatcaagc tgggtgcagt ggctcacacc tgtaatcca gcattttggg aggctgagtg
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405

<210> 3277<211> 377<212> DNA<213> Homo sapien

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120aggctggctt cgaactcctg acctcaggtg atctgccac ctggcctcc caaagtgtg
180ggattacagg catgagccac tgtgctggc ccttcctgt aaaattttta aatggagaat
240tgggtgcgag atgtggtttc cagcctgggtg cctgggggtg tgagctagtg agtgggtcag
300tccaggacac ctttgcttta tgtcacttac acggtcacct ggagccggct caagtggcta
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377

<210> 3278<211> 384<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gaataagatt tttgaatcat tttgtctgct aaataagaca
60tataagaact ctgaaggtgg aatagatttg actgtattaa atgttggcga gagactctct
120ttgatacatt aaaaaaactg tttgcagaag cagttctatg gaagagactg gaataattat
180ggccgtgtaa cgtgtaccgc cttaatggg aaatattctt gatcttcaac attgttcttt
240ggttcttttt tcctttttta ggaaaaaaca aacaacagac ttcattctta gggtttctca
300agattttaagc gaacacattt acacatatca atttcttaa gaacacagaa tgtttcctcc
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384

<210> 3279<211> 181<212> DNA<213> Homo sapien

acccnnnn nctgcctcac ctctctgggc cagtttccc atagtacagt ggtgctgac
60accctggccc tggccccgag gtggctggga ggtggctct caaacggccg ctgtctcatc
120gaggccccgt gatgcatcag ggatcgactg aggtcttgag ctaactggga aacacagtgg
180c

181

<210> 3280<211> 152<212> DNA<213> Homo sapien

attgcgctgn gnaacacaaa ttctcctctg cgctatgtgg acattgccat cccatgcaac
60aacaaggtaa tgattttagg atctagagtt tgtgaatgcg tgctctagaa naaacattcc
120tgtgcacatt gatagagctt ggagttgagg ct

152

<210> 3281<211> 189<212> DNA<213> Homo sapien

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60tttgaactcc tggactatat tgtgaacgag ccacctctta agctgtccaa cgggtgtgtc
120accctccact tccaagagtt agacaataaa agcctcatca agaaccatc ggagcgagct
180gacctgaag

189

<210> 3282<211> 392<212> DNA<213> Homo sapien

ggcacgaggc ttgtggtcaa acatcgggac atgaatgata aggaactgga agctcacgag
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120acagaagaga aagaagctgg gggctcagat gaggagcagg agaagggcag cagcagtgag
180aaggagggca gtgaagatga gcaactcggc agcgagagt aacgggagga aggtgacagg
240gacgaggcca gtgacaagag tggcagtggg gaggacgaga gcagcgagga tgaggcccg
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360tctgatgatg aggacagagg acaggcccaa gg

392

<210> 3283<211> 170<212> DNA<213> Homo sapien

gaatttnncc ncnncacctg ccactactac nccaacaagt acagcttctg gctgaccacc
60attcccagc agagcttcca gggctcgcgc tccgccgaca cgctcaaggc cggcctcatc
120ccgcacacat caaccgctgc cagggtgtgca tgaagaacct gtgagccgga

170
<210> 3284<211> 158<212> DNA<213> Homo sapien
cctnacan an aacttaactg gcagcaagag acggctacaa actcctaagg aaaaggccca
60ggctctagaa gacctggctg gctttaaaga gctcttcag acacgaggtc aactgagga
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158
<210> 3285<211> 153<212> DNA<213> Homo sapien
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120agctgaattg caggatatga tcaatgaagt gga
153
<210> 3286<211> 350<212> DNA<213> Homo sapien
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120agccgagaca atccaggag caacacctat agccttcatt acatcgttca acttcacttt
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240gggtctgctt tgttcttgtt gcttttctgt tttttaacct ttgttccgc catttaaaaa
300aagaaaaaaa aaaagttatg tttcttgtca aatgcagaaa tgttccttcc
350
<210> 3287<211> 162<212> DNA<213> Homo sapien
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120agagaaacc ctccttcttg gtccagactc tgggtggagt gt
162
<210> 3288<211> 184<212> DNA<213> Homo sapien
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60gagacatgac tattgggcag ctacaagtga tagtcaatga tctccattcc cagatagaag
120cttgaatgaa gagttgggtc agctgcttct catccgagat gagctgcaca cagagcanga
180tgcn
184
<210> 3289<211> 188<212> DNA<213> Homo sapien
cgcactaaga tgttgggata actttcccaa ctccaagttc cagcgaggct aaattggaag
60agaacagtga tgtgacttct tggtcagaag aaaaacgtga agagaaaatg ctctttaccg
120gttatcctga ggacagaaag ttaaaaaaga acaagaagaa ttcccatgaa ggagtttctt
180ggtttgtt
188
<210> 3290<211> 383<212> DNA<213> Homo sapien
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60tagaacctgg gaggcggagg ttgcagtcag ccaagatagc accactgcac tccaggctgg
120gtgacagagc gagactccat gtcaaaaaaa aaaaaaagg gggaaactcaa attttctttt
180ttaaggtaat ccccaaaatt ttctccaaaa aaaaaatggg gggttggat ttgaaactt
240aaaagcagct atgggtaaat ttctgaaata tagcaggaga ccaaacatg ttggaaaga
300gaataaatat ttgaagagag acgggtggtt ttattttcaa tgtatggaat atattaaact
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383
<210> 3291<211> 158<212> DNA<213> Homo sapien
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60gataaaagat caaaaacctg gttagacatg ccagcctttg caaggcaggt tatgtacaa
120agactaacct ccaagtgggt ttatggacgc tgcataatg
158
<210> 3292<211> 378<212> DNA<213> Homo sapien
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120gaaccctgag tgccgctatg tggccagcag ctccaaggat ggcagtgtgc ggaatctggga
180cacaactgca ggccgctgtg agcgcactct caccgggcac acccagtcgg tcacctgtct
240ccgggtgggga ggggacgggc ttctctactc tgctccag gaccgcacca tcaagtcgtg

300gagagctcat gacggtgtgc tgtgccggac tctgcaaggc cacggccact ggggtgaacac
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378

<210> 3293<211> 342<212> DNA<213> Homo sapien

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120tgaactgcca ctgtataacc agccatcaga taccaagggtg taccatgaga acatcaagac
180tgagtagcct gcaaggcgca tgatgaaaaa ccagggtgatg aggaaaaaac tcattttatt
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300tcagctcatg gaggcagggg agaaaaaagt ggacagaata gn

342

<210> 3294<211> 396<212> DNA<213> Homo sapien

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120gagaaaaata ctgccaaacc caaatgaca taacaagtac catcaatggg tccagccatt
180gcctttggaa actatagacc tgggaattcaa agtggaggaa ccattgaaca aaaggctatt
240aagcggctac caggcctgaa ttttgatgat aatggaaaaa ggaacaacaa atttttgagg
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396

<210> 3295<211> 187<212> DNA<213> Homo sapien

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60atcgggtgctc aaccgcgtgc cgcagcccga ataccggcag ctgctggagg aagccatcat
120ggagctgacg ctgctctcgg acacggagat gaccagcatc gggggcatca tccacgtgga
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187

<210> 3296<211> 163<212> DNA<213> Homo sapien

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60attcacaacc aagatctacc accccaacgt ggacgagaac ggacagattt gctgcccac
120atcagcagtg agaactggaa gccttgccacc aagacttgcc aag

163

<210> 3297<211> 156<212> DNA<213> Homo sapien

cattgccatc caccgtggga tgccccaaga ggagaggcct tctcgggtatc agcagtttaa.
60agattttcaa cgacgaattc ttgtgggtac caacctatct ggccgaggca tggacatcga
120gcgggtgaac attgctttta attatgacat gcctga

156

<210> 3298<211> 345<212> DNA<213> Homo sapien

tactgctgct agaagacgac agaaggggat agtgacgacc tcaagcggca gagtgtcttt
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120taccctctct cagacaacag cctctacacc aacgccaagg gcagcaccat ctctgccttc
180gatgggggag gtgtgggagg ttttttatcc tttctccgta tgacttcaca ccagatgcta
240tctgcctctg gtacgaatt tctcatttcc tgacaatccg aaaatactat tagtttacc
300ccgtcagcta atcctttctt catcgagtgc cataccccca ctacg

345

<210> 3299<211> 422<212> DNA<213> Homo sapien

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120ccccggctac tacaccaggg ccaggttga cctggccttt gtcgtccgct acaagcctga
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240ctctgggacc tctgtgtccc agggaaccca gtccagactc ctggctgttg acttccatt
300gctcttgag ccaccaatca aagagattca aagagattcc tgaggccag aggcggaaca
360cacctttatg gctggagctc tccgtggtga tctggaccca gcctctggag acaccattca
420ct

422

<210> 3300<211> 182<212> DNA<213> Homo sapien

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60cacacatgag ctctaggaga gaaaactgag atcactgggg caatgaccat gacttctgtg
120gtcatcagtc catgaccctt ggagagaaag ccctgacccc tgtgggtatc aatctgtgac
180ca

182

<210> 3301<211> 391<212> DNA<213> Homo sapien

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120gcatgtgcac cagtatcaca ttatcgagct gttgaaagtg tggattcaag tgaagaaagt
180ttttctgatt cagatgatga tagctgtctt tggaaacgca aacgacagaa atgttttaac
240cctcctccca aaccagagcc ttttcagttt ggccagagca gtcagaaacc acctgttgct
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391

<210> 3302<211> 380<212> DNA<213> Homo sapien

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120gaggaactcg tggcgggagg tgtggaatta ttacctaag cctgacctt tgttagttg
180acagcattgc tttctgtgtt gccaatcttg gctcatacga gatgcatagg aatgagctcg
240agccttccct cttttgtctt cgatatatt cttcctcttg ggaacatgag tccacttoga
300actgcttctt gtatgtttgt ccagctgtat tggcaacttc tgcataagga tcatgagtct
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380

<210> 3303<211> 175<212> DNA<213> Homo sapien

ggcacgaggc ttttgagacc agggttgctc tgtctgtgct ccgctcgcc atgacttctt
60acagctatcg ccagtcgtcg gccacgtcgt gcttcggagg cctgggcggc ggctccgtgc
120gttttgggcc gggggtcgcc ttctgcgcgc ccagcattca cgggggctcc ggcgg

175

<210> 3304<211> 356<212> DNA<213> Homo sapien

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60gtcaaatcct gatcctgtcc actcagagtt ctgaaggggg ccagatgttg ggtgcagatg
120tagaagcagc cagtcacaga cccattctat gcaatggaca tttatttgaa aaaaattctc
180aaaagttttt tttttttttt tggggggggg gggtttttaa gctgttttta cctccgagac
240tccactttta agggaccagc ggaattaagg catataaaat ttaccccccc aagattaaaa
300gcccaggaag aggttcaacc catgtgagaa ctgccctcct aggaaagggt ttaagg

356

<210> 3305<211> 170<212> DNA<213> Homo sapien

atggataaga acaagatggg cttgaaaggc cttttgaaga cccaatagc agccgggcac
60ccatctatga atttactgct gcgcagaaca tttgaccttt actcgaatgt ccgacctgt
120gtttctatcg aaggctatac aacccttacc accgatgtaa atattgtgag

170

<210> 3306<211> 413<212> DNA<213> Homo sapien

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60gagagaaacc ctatgaatgt agtgaatgtg gaaaagcttt cagtttgagc tcaaacctta
120tcagacatca gagaattcat agtggggagg aaccttatca gtgtaatgaa tgtggcaaaa
180ctttcaaaag gagctcagcc cttgttcagc atcagagaat tcattctggg gatgaagctt
240atatatgtaa tgaatgtggg aaggctttca ggcacagatc ggtccttatg cgccatcaaa
300gagtcacac tataaagtaa tttgtgaata ctgtgaatag tgtaaatact tcagtcagat
360ttttaagttt gtagtcaaa agagtttact ttggagcaaa actccataaa ggt

413

<210> 3307<211> 402<212> DNA<213> Homo sapien

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60gtcccgtgac caagccattg cctgtctgaa ggacaaggac cctggggcct tctgtatcag
120ggagacagtc tctttcaag gagcttatgg gctggccctc aagggtggca caccgccacc
180cagtgcaccg ccctggaaag gggacccctg ggaacagctg gtccgccatt tctcatcga
240gactggggcc aaaggggtga agatcaaggg ctgccccagt gagccctact ttggcagcct
300gtccgccttg gtctccagc actccatctc ccccatctcc ctgccctgct gcctgcgcac

360tcccagcaaa gatcctctgg aagagacccc agaggctcca gt

402

<210> 3308<211> 388<212> DNA<213> Homo sapien

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60agctgtaccg tgggtcgatg actagtagca tggagcgaga ttttggacgt ggtgatattg
120gaataaatcg aggcttttga gattcctttg gtagacttgg tgggtggaatg ggtagcatga
180acagtgtgac tggaggaatg gggatgggac tggaccggat gatttccagc tttgatagaa
240tgggaccagg tataggagct atactggaaa ggagcatcga tatggatcga ggatttttat
300cgggtccaat ggaagcgga atgagagaga gaataggctc caaaggcaac cagatatttg
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388

<210> 3309<211> 387<212> DNA<213> Homo sapien

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120acattattgc gcgtggaacg gctgcttttg gaagactatt gccagaaga aaagatgttt
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240tcttccagtt ctgcattcac tgacagtaaa cgctatgaaa aggacttcca gagctgtttt
300ggattgcatg agactcgttc aggagacatc tgcaatgcct gtgtcctgct tgtgaaaaga
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387

<210> 3310<211> 422<212> DNA<213> Homo sapien

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120acctggaaaa caaagtgaag aagatgggct taggtcacga gcaaggattt ggagccccctt
180gtttaaaatg caaagaaaaa tgtgaaggat tcgaactgca ctcttggaaga aaaatatgtc
240gtaactgcaa gtgtggccaa gaagagcatg atgtcctctt gagcaatgaa gaggatcgaa
300aagtgggaaa actttttgaa gacaccaagt ataccactct gattgcaaaa ctaagtcag
360atggaattcc catgtataaa cgcaatgtta tgatattgac gaatccagtt gctgccaaga
420an

422

<210> 3311<211> 441<212> DNA<213> Homo sapien

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60caactgcaga actgcaggag actatctttc tagacaaggc agttgaggag gagggagcgc
120ttgaggggga ctggcctggc gtgcactccg cacctcgggg acattattgc gcgtggaacg
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240gtaccgaagt atagagggct gctgtatttg cagagctaag tcttccagtt ctgcattcac
300tgacagtaaa cgctatgaaa aggacttcca gagctgtttt ggattgcatg agactcgttc
360aggagacatc tgcaatgcct gtgtcctgct tgtgaaaaga tggagaagt tgccagcagg
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441

<210> 3312<211> 382<212> DNA<213> Homo sapien

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120aataacagct acttttttgt atggttatga tcccaaacct gcaggaaatc cactaaagc
180atagttgtat actatcttta actggttttt cactagggg cactaggaat ctgcacatta
240atcttgcaca gaggacttct acagagtctg agaagatc atcatgctga atctgatcat
300actgtttttt aaaagttaa ggataagaca tgtgtatatg taacaaaaca cattgcatct
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382

<210> 3313<211> 385<212> DNA<213> Homo sapien

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120attcagcagc aaggagcctc agagagggat gggttacatg cccaagaggg gacttgatgt
180taacaaatgt gagattgcca gattcttcaa acttcatgag agaaagtgtg aacctattat
240tatgactgtt cccaggaagt ctgacctttt ccaagatgac ctgtatcctg acacagcggg
300gccagaggcc gcgctggagg cagaagagtg gttcgaaggc aagaatgcag acccaatcct

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385

<210> 3314<211> 456<212> DNA<213> Homo sapien

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120agaagaggtg aagatatttg ttggattaaa accaataaaa acaatcctgg gaagactaag
180acttttagatc caaaggctgt ctttcagaga acaaaggaac actgcctcat ggggatcaaa
240ggaactgtga agcgtagcac agacggggac ttcattcatg ctaatgttga cattgactta
300attatcacag aagaacctga aattggcaat atagaaaaac ctgtagaaat ttttcatata
360attgagcatt tttgtcttgg tagaagacgc cttcatctat ttggaagaga tagtacaatt
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456

<210> 3315<211> 329<212> DNA<213> Homo sapien

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120acttggggct ggatatttag aaaataaagc attcgcataa tacaatgaac tcataatttg
180gccggatgat ttgtaggcag ggacgtttta gtgtcggttt tacgagattc cttgatatat
240tacagaatta ggtccagat ttacaccaa aaggaccccc ttttctctc ccggaccacg
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329

<210> 3316<211> 414<212> DNA<213> Homo sapien

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120cggagaacca ggcctgcag cagcagcttc accaggagca agagcagctc tacctgaggt
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240agattggtgac tccactgac aagaacttct tctgaggaca gacaggaatg gccttgatga
300agatgacagg catggccggg gtcagctctt tcagccgcgc ttcagcgatg actccagtct
360gggtgtccca gcgagccct gcagggacag tatggctgag ggtcacgtgt gctg

414

<210> 3317<211> 380<212> DNA<213> Homo sapien

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240acccgcccat cgaggaccag ggtggggagt acgtgcagcc catgctgagc aagtacgcgg
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380

<210> 3318<211> 427<212> DNA<213> Homo sapien

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120gttccctttt tgattttctt atccggctgc tcccctatca gacctcatct ttttaattt
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360tctaacttgg ttatgagact aacaccattc ctactgctc taacatgctg aagaaatcat
420ctgaggg

427

<210> 3319<211> 408<212> DNA<213> Homo sapien

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120aagtcttgggt tttatcttaa tccattaaaa agttgttctt tgtttccagc ttgcattgat
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240cgtgtgttatt attcattatg gtagaatcat ttttaattca cgtgctttgt gttcagttt
300gtggtctgag agatgtacca attgtcaaat taccgtgtac cacctaattg ttataggaga
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408

<210> 3320<211> 393<212> DNA<213> Homo sapien

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120aggaagctca tgagcgggaa ctgcggaagc gggagaaggc ggaagagaag gagcgccgga
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300agcacactcg ttcttgggct gtgctgaagc tgctgtgctg gctgtgcta tttggtgtgg
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393

<210> 3321<211> 423<212> DNA<213> Homo sapien

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300accagtcac tttgcggtga aacataatg atgccaatgg gtggaatgat gccacctgga
360ccaggaatac cacctctgat gcctggaatg ccaccaggta tgccccacc tgttccacgt
420cct

423

<210> 3322<211> 397<212> DNA<213> Homo sapien

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60tcacgctgat tggctctcct aattttgggt acaggtcagt tcaccgggac ctggaggccc
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397

<210> 3323<211> 398<212> DNA<213> Homo sapien

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300cctgctggaa tgcctgtcga ggagacaggt ggaagactt gtccagatca catgtgcgct
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398

<210> 3324<211> 399<212> DNA<213> Homo sapien

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240tcgctacagg cccgggaccg tggcgcttcg agagattcgt cgttatcaga agtcgaccga
300gctgtcatc cggaaagctgc ccttcagag gttggtgagg gagatcgcgc aagatttcaa
360aaccgacctg aggtttcaga gcgcagccat cgggtgcgt

399

<210> 3325<211> 439<212> DNA<213> Homo sapien

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240agactggggt gggggaactg accaccaga acacgaggct gcagaggctc aaagagatca
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360agggcgtact gcggttggtg acgggggtcc cctcagtcac actcactttt tttccttggg
420atgttattga ggatattct

439

<210> 3326<211> 429<212> DNA<213> Homo sapien

ggcacgagct ctactcaata gtccccccag ctttgtgtgc tggctctggg gcttcatgga
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429

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449

<210> 3328<211> 398<212> DNA<213> Homo sapien

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398

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426

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120tttagagctg taccagacag gttccacaga gccagtggag gtacccctg aactatgtca
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399

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402
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372
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436
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377
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408
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421
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455

<210> 3338<211> 417<212> DNA<213> Homo sapien

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120tgagtgacc tgcctctact tcgtggagga gggacagcga aagactccta gccagggagg
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417

<210> 3339<211> 414<212> DNA<213> Homo sapien

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300ccggggccag tttgaaacac ttcagcagct tgtacaacat tactcagaaa gctgatgggt
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414

<210> 3340<211> 387<212> DNA<213> Homo sapien

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387

<210> 3341<211> 415<212> DNA<213> Homo sapien

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300gatgtggagc agtgtgcggc cgagccgct cctgcagcg ctgcgcagtt ctgtaagaac
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415

<210> 3342<211> 398<212> DNA<213> Homo sapien

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240agtcaagcgg ccaggagag atgacatgct ggacgtggag accgatgcct acatccactg
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398

<210> 3343<211> 374<212> DNA<213> Homo sapien

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374

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405

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425

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410

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408

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417

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426

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461

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419

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CA 94086 (US). CRKENJAKOV, Radomir; 675 Almanor Avenue, Sunnyvale, CA 94086 (US). DRMANAC, Snezana; 675 Almanor Avenue, Sunnyvale, CA 94086 (US). DICKSON, Mark; 675 Almanor Avenue, Sunnyvale, CA 94086 (US). LABAT, Ivan; 675 Almanor Avenue, Sunnyvale, CA 94086 (US). LESHKOWITIZ, Dena; 675 Almanor Avenue, Sunnyvale, CA 94086 (US). KITA, David; 675 Almanor Avenue, Sunnyvale, CA 94086 (US). GARCIA, Veronica; 675 Almanor Avenue, Sunnyvale, CA 94086 (US). JONES, Lee, William; 675 Almanor Avenue, Sunnyvale, CA 94086 (US). STRACHE-CRAIN, Birgit; 675 Almanor Avenue, Sunnyvale, CA 94086 (US).

(74) Agents: BLACKBURN, Robert, P.; Chiron Corporation, 4560 Horton Street, Emeryville, CA 94608-2916 et al. (US).

(71) Applicants: CHIRON CORPORATION [US/US]; 4560 Horton Street, Emeryville, CA 94608 (US). HYSEQ, INC. [US/US]; 675 Almanor Avenue, Sunnyvale, CA 94086 (US).

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(72) Inventors: WILLIAMS, Lewis, T.; Chiron Corporation, P.O. Box 8097, Emeryville, CA 94662-8097 (US). ESCOBEDO, Jaime; Chiron Corporation, P.O. Box 8097, Emeryville, CA 94662-8097 (US). INNIS, Michael, A.; Chiron Corporation, P.O. Box 8097, Emeryville, CA 94662-8097 (US). GARCIA, Pablo, Dominguez; Chiron Corporation, P.O. Box 8097, Emeryville, CA 94662-8097 (US). KLINGER, Julie; Chiron Corporation, P.O. Box 8097, Emeryville, CA 94662-8097 (US). KASSAM, Altaf; Chiron Corporation, P.O. Box 8097, Emeryville, CA 94662-8097 (US). REINHARD, Christoph; Chiron Corporation, P.O. Box 8097, Emeryville, CA 94662-8097 (US). RANDAZZO, Filippo; Chiron Corporation, P.O. Box 8097, Emeryville, CA 94662-8097 (US). KENNEDY, Guilia, C.; Chiron Corporation, P.O. Box 8097, Emeryville, CA 94662-8097 (US). POT, David; Chiron Corporation, P.O. Box 8097, Emeryville, CA 94662-8097 (US). LAMSON, George; Chiron Corporation, P.O. Box 8097, Emeryville, CA 94662-8097 (US). DRMANAC, Radoje; 675 Almanor Avenue, Sunnyvale,

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(54) Title: HUMAN GENES AND GENE EXPRESSION PRODUCTS

(57) Abstract: The invention provides novel polynucleotides. The invention further provides novel members of protein families, and polynucleotides that are differentially expressed in cancer cells relative to normal cells, and in metastatic cancer cells relative to normal cells or non-metastatic cancer cells.

WO 01/02568 A3

Internat. Application No
PCT/US 00/18374

Form PCT/ISA/210 (second sheet) (July 1992)

INTERNATIONAL SEARCH REPORT

Intern: 31 Application No

PCT/US 00/18374

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>WO 97 40151 A (GENETICS INST) 30 October 1997 (1997-10-30) the whole document -----</p>	

INTERNATIONAL SEARCH REPORT

Inte. tional application No.
PCT/US 00/18374

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Claims 1 to 3, 9 to 15 partially

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application. as follow :

Invention 1: Claims 1 to 3, 9 to 13
{partially}

A polynucleotide library comprising the sequence SEQ ID NO: 1, an isolated polynucleotide comprising the nucleotide sequence having at least 90% sequence identity to SEQ ID NO: 1, a recombinant host cell containing said polynucleotide, isolated polypeptide encoded by said polynucleotide, antibody that binds specifically to said polypeptide and vector comprising said polynucleotide.

Invention 2: Claims 1-15 (partially and as far as applicable)

Idem invention 1 but limited to a polynucleotide library comprising the sequence SEQ ID NO: 2.

Inventions 3-3351 : Claims 1-15 (partially and as far as applicable)

Idem invention 1 but each invention limited to a polynucleotide library comprising a sequence SEQ ID NO: 3-3351.

INTERNATIONAL SEARCH REPORT

information on patent family members

International Application No

PCT/US 00/18374

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9740151 A	30-10-1997	AU 2459397 A	12-11-1997
		AU 2728697 A	12-11-1997
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		EP 0939807 A	08-09-1999
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